



4-17  
Soil

Wednesday, April 23, 2014

Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG34030 - BG34033

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&OENVIRPCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date      Time

04/17/14      0:00  
04/17/14      15:01

### Laboratory Data

SDG ID: GBG34030  
Phoenix ID: BG34030

Project ID: DISCOVERY ACADEMY  
Client ID: 041714-BG-SW5C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	04/17/14	I	E160.3
Extraction for PCB	Completed			04/17/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	>150		%	04/18/14	AW	30 - 150 %      3
% TCMX	148		%	04/18/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 041714-BG-SW5C

Phoenix I.D.: BG34030

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

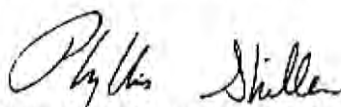
\*PCB Analysis Comment:

For PCBs, Surrogate recoveries were >150%. Sample was non detect.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOLID  
Location Code: F&OENVIRPCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

Date      Time  
04/17/14      0:00  
04/17/14      15:01

Laboratory Data

SDG ID: GBG34030  
Phoenix ID: BG34031

Project ID: DISCOVERY ACADEMY  
Client ID: 041714-BG-SW6C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	04/17/14	I	E160.3
Extraction for PCB	Completed			04/17/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	>150		%	04/18/14	AW	30 - 150 %
% TCMX	148		%	04/18/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 041714-BG-SW6C

Phoenix I.D.: BG34031

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

3 = This parameter exceeds laboratory specified limits.

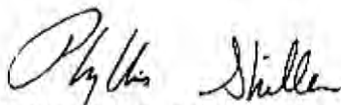
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

April 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOLID  
Location Code: F&OENVIRPCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

Date Time

04/17/14 0:00  
04/17/14 15:01

Laboratory Data

SDG ID: GBG34030  
Phoenix ID: BG34032

Project ID: DISCOVERY ACADEMY  
Client ID: 041714-BG-SW7C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	04/17/14	I	E160.3
Extraction for PCB	Completed			04/17/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	04/18/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	91		%	04/18/14	AW	30 - 150 %
% TCMX	84		%	04/18/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 041714-BG-SW7C

Phoenix I.D.: BG34032

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

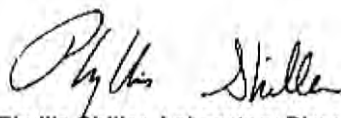
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 23, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&OENVIRPCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

Date Time

04/17/14 0:00  
04/17/14 15:01

### Laboratory Data

SDG ID: GBG34030  
Phoenix ID: BG34033

Project ID: DISCOVERY ACADEMY  
Client ID: 041714-BG-E5C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	04/17/14	I	E160.3
Extraction for PCB	Completed			04/17/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	04/18/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	85		%	04/18/14	AW	30 - 150 %
% TCMX	85		%	04/18/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 041714-BG-E5C

Phoenix I.D.: BG34033

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

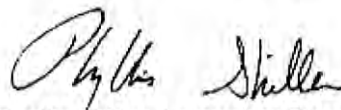
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 23, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

April 23, 2014

### QA/QC Data

SDG I.D.: GBG34030

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 271908, QC Sample No: BG34030 (BG34030, BG34031, BG34032, BG34033)									
<b>Polychlorinated Biphenyls - Solid</b>									
PCB-1016	ND	86	93	7.8				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	86	91	5.6				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	87	91	96	5.3				30 - 150	30
% TCMX (Surrogate Rec)	86	87	91	4.5				30 - 150	30

**Comment:**

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

April 23, 2014

# Sample Criteria Exceedences Report

GBG34030 - FOENVIRPCB

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG34030, BG34031, BG34032, BG34033

**Sampling Date(s):** 4/17/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☒ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☐ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? See Section: PCB Narration.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Wednesday, April 23, 2014

Printed Name: Ethan Lee

Position: Project Manager





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

April 23, 2014

SDG I.D.: GBG34030

---

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

**BG34030, BG34031 - The surrogate recovery exceeds the method criteria for %DCBP. The other surrogate recovery is acceptable and PCBs were not reported in the sample, therefore no significant bias is suspected.**

**Instrument:** Au-ecd48 04/18/14-1 (BG34030, BG34031, BG34032, BG34033)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 4/18/2014

**QC Comments:** QC Batch 271908 04/17/14 (BG34030, BG34031, BG34032, BG34033)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

### **QC (Site Specific)**

----- Sample No: BG34030, QA/QC Batch: 271908 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### Temperature Narration

The samples were received at 3C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)





Friday, May 30, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG48549

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

May 30, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/23/14	14:00
05/23/14	15:17

### Laboratory Data

SDG ID: GBG48549  
Phoenix ID: BG48549

Project ID: DISCOVERY ACADEMY  
Client ID: 052314-BG-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	05/23/14	I	E160.3
Extraction for PCB	Completed			05/27/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.37	mg/kg	05/28/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	05/28/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	05/28/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	05/28/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	05/28/14	AW	3540C/8082
PCB-1254	0.61	0.37	mg/kg	05/28/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	05/28/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	05/28/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	05/28/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	95		%	05/28/14	AW	30 - 150 %
% TCMX	90		%	05/28/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 052314-BG-01

Phoenix I.D.: BG48549

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

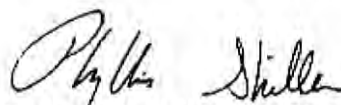
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 30, 2014

Reviewed and Released by: Ethan Lee, Project Manager



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102

Fax (860) 645-0823

**QA/QC Report**

May 30, 2014

**QA/QC Data**

SDG I.D.: GBG48549

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 275395, QC Sample No: BG48705 (BG48549)									
<b><u>Polychlorinated Biphenyls - Soil</u></b>									
PCB-1016	ND	76	88	14.6	96	91	5.3	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	93	93	0.0	106	102	3.8	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	88	94	99	5.2	108	111	2.7	30 - 150	30
% TCMX (Surrogate Rec)	85	82	86	4.8	95	91	4.3	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

May 30, 2014

# Sample Criteria Exceedences Report GBG48549 - FOENVIRPCB

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG48549

**Sampling Date(s):** 5/23/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☒ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☐ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Friday, May 30, 2014

Printed Name: Ethan Lee

Position: Project Manager





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

May 30, 2014

SDG I.D.: GBG48549

---

The sample was received by the laboratory less than two hours after collection at a temperature of 10 degrees C with cooling initiated. No significant bias is suspected.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 05/28/14-1 (BG48549)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner

**Position:** Chemist

**Date:** 5/28/2014

### QC (Batch Specific)

----- Sample No: BG48705, QA/QC Batch: 275395 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples were received at 10C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)





6-30

Seal

Monday, July 07, 2014

Attn: Mrs. Marilee Gonzalez  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG66720 - BG66723

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 07, 2014

FOR: Attn: Mrs. Marilee Gonzalez  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A20

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

### Time

06/30/14 12:30  
06/30/14 15:09

## Laboratory Data

SDG ID: GBG66720  
Phoenix ID: BG66720

Project ID: DISCOVERY ACADEMY  
Client ID: 063014-BG-5WA

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	06/30/14	I	E160.3
Extraction for PCB	Completed			06/30/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1221	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1232	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1242	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1248	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1254	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1260	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1262	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
PCB-1268	ND	0.52	mg/kg	07/02/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	94		%	07/02/14	AW	30 - 150 %
% TCMX	88		%	07/02/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

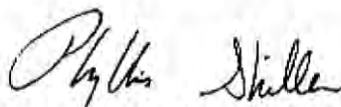
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

July 07, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 07, 2014

FOR: Attn: Mrs. Marilee Gonzalez  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A20

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

### Time

06/30/14 12:40  
06/30/14 15:09

## Laboratory Data

SDG ID: GBG66720  
Phoenix ID: BG66721

Project ID: DISCOVERY ACADEMY  
Client ID: 063014-BG-5WB

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	06/30/14	I	E160.3
Extraction for PCB	Completed			06/30/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1221	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1232	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1242	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1248	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1254	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1260	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1262	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1268	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	109		%	07/01/14	AW	30 - 150 %
% TCMX	108		%	07/01/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY

Client ID: 063014-BG-5WB

Phoenix I.D.: BG66721

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

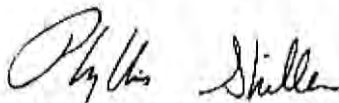
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

July 07, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 07, 2014

FOR: Attn: Mrs. Marilee Gonzalez  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A20

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
06/30/14	12:50
06/30/14	15:09

### Laboratory Data

SDG ID: GBG66720  
Phoenix ID: BG66722

Project ID: DISCOVERY ACADEMY  
Client ID: 063014-BG-5WC

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	06/30/14	I	E160.3
Extraction for PCB	Completed			06/30/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1221	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1232	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1242	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1248	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1254	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1260	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1262	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
PCB-1268	ND	0.54	mg/kg	07/01/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	104		%	07/01/14	AW	30 - 150 %
% TCMX	104		%	07/01/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY

Client ID: 063014-BG-5WC

Phoenix I.D.: BG66722

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------


RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

July 07, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 07, 2014

FOR: Attn: Mrs. Marilee Gonzalez  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A20

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/30/14  
06/30/14

### Time

13:00  
15:09

## Laboratory Data

SDG ID: GBG66720  
Phoenix ID: BG66723

Project ID: DISCOVERY ACADEMY  
Client ID: 063014-BG-5WD

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	06/30/14	I	E160.3
Extraction for PCB	Completed			06/30/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1221	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1232	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1242	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1248	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1254	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1260	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1262	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
PCB-1268	ND	0.52	mg/kg	07/01/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	106		%	07/01/14	AW	30 - 150 %
% TCMX	95		%	07/01/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 063014-BG-5WD

Phoenix I.D.: BG66723

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

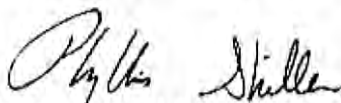
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

July 07, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

July 07, 2014

### QA/QC Data

SDG I.D.: GBG66720

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 278339, QC Sample No: BG66270 (BG66720, BG66721, BG66722, BG66723)									
<b>Polychlorinated Biphenyls - Soil</b>									
PCB-1016	ND	90	92	2.2	93	91	2.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	81	83	2.4	87	87	0.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	104	104	106	1.9	108	106	1.9	30 - 150	30
% TCMX (Surrogate Rec)	107	106	111	4.6	108	106	1.9	30 - 150	30

**Comment:**

66720 appears to have double surrogate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
July 07, 2014

Monday, July 07, 2014

Criteria: None

State: CT

SampNo    Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL

Analysis  
Units

## Sample Criteria Exceedences Report

GBG66720 - FO-PCB

Page 1 of 1

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG66720, BG66721, BG66722, BG66723

**Sampling Date(s):** 6/30/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☒ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☐ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Monday, July 07, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

July 07, 2014

SDG I.D.: GBG66720

The samples were received by the laboratory less than four hours after collection at a temperature of 21 degrees C with cooling initiated. No significant bias is suspected.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd5 07/01/14-1 (BG66720, BG66721, BG66722, BG66723)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 7/1/2014

**Instrument:** Au-ecd5 07/02/14-1 (BG66720)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 7/2/2014

**QC Comments:** QC Batch 278339 06/27/14 (BG66720, BG66721, BG66722, BG66723)

66720 appears to have double surrogate.

### **QC (Batch Specific)**

----- Sample No: BG66270, QA/QC Batch: 278339 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**July 07, 2014**

**SDG I.D.: GBG66720**

---

### **Temperature Narration**

The samples were received at 21C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)





### *Disciplines to Deliver*

(866) 646-2469 • [www.FandO.com](http://www.FandO.com)

☒ 146 Hartford Road, Manchester, CT 06040  
☐ 56 Quarry Road, Trumbull, CT 06611  
☐ 1419 Richland Street, Columbia, SC 29201  
☐ 78 Interstate Drive, West Springfield, MA 0

210 Teapack

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD

1462

☐ 1 Day\*    ☒ 3 Days\*    ☐ Other \_\_\_\_\_ (days)  
☐ 2 Days\*    ☐ Standard (\_\_\_\_ days)    \*Surcharge Applies

PROJECT NAME:

### PROJECT LOCATION

PROJECT NUMBER

## LABORATORY

PROJECT NAME	PROJECT LOCATION
Discovery Academy	176 Cumberland Ave

REPORT TO: Marilee Gonzalez/Kathleen Pance

INVOICE TO: Sarah Owens

P.O. No.: 20110979.A20

**Sampler's Signature:**

121

Date: 6-30-14

Source Codes:

MW=Monitoring Well  
PW=Potable Water  
SW=Surface Water  
T=Treatment Facility

S=Soil  
B=Sediment

W=Waste  
A=Air

X=Other

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled
	1	2	3	4				
1					063014-B6-5WA	S	6/30/14	1230
2					-5WB	S	7	1240
3					-5WC	S	7	1250
4					-5WD	S	7	1300

[illegible]Transfer  
Number

Relinquished By

Accepted By

Patm

Time

Reporting and Detection Limit Requirements:

Additional Comments: Additional samples collected wt 0-4" and 4-8" From 1.5 m grid west of Sample Area Five.



Tuesday, April 08, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG26490 - BG26499

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 08, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: S  
Received by: LPB  
Analyzed by: see "By" below

### Date Time

04/02/14 0:00  
04/02/14 15:55

## Laboratory Data

SDG ID: GBG26490  
Phoenix ID: BG26490

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	04/02/14	I	E160.3
Extraction for PCB	Completed			04/02/14	PP/I	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1254	0.63	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	103		%	04/03/14	AW	30 - 150 %
% TCMX	94		%	04/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-01

Phoenix I.D.: BG26490

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

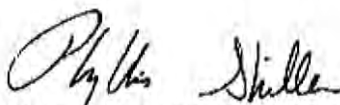
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 08, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 08, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: S  
Received by: LPB  
Analyzed by: see "By" below

### Date      Time

04/02/14      0:00  
04/02/14      15:55

## Laboratory Data

SDG ID: GBG26490  
Phoenix ID: BG26491

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	77		%	04/02/14	I	E160.3
Extraction for PCB	Completed			04/02/14	PP/I	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.43	mg/kg	04/03/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	04/03/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	04/03/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	04/03/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	04/03/14	AW	3540C/8082
PCB-1254	1	0.43	mg/kg	04/03/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	04/03/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	04/03/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	04/03/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	105		%	04/03/14	AW	30 - 150 %
% TCMX	116		%	04/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-02

Phoenix I.D.: BG26491

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

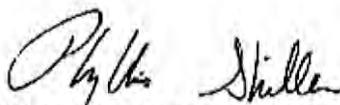
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 08, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 08, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: S  
Received by: LPB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
04/02/14	0:00
04/02/14	15:55

### Laboratory Data

SDG ID: GBG26490  
Phoenix ID: BG26492

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	04/02/14	I	E160.3
Extraction for PCB	Completed			04/02/14	PP/I	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	4	mg/kg	04/03/14	AW	3540C/8082
PCB-1221	ND	4	mg/kg	04/03/14	AW	3540C/8082
PCB-1232	ND	4	mg/kg	04/03/14	AW	3540C/8082
PCB-1242	ND	4	mg/kg	04/03/14	AW	3540C/8082
PCB-1248	ND	4	mg/kg	04/03/14	AW	3540C/8082
PCB-1254	27	4	mg/kg	04/03/14	AW	3540C/8082
PCB-1260	ND	4	mg/kg	04/03/14	AW	3540C/8082
PCB-1262	ND	4	mg/kg	04/03/14	AW	3540C/8082
PCB-1268	ND	4	mg/kg	04/03/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	Diluted Out	%	04/03/14	AW	30 - 150 %
% TCMX	Diluted Out	%	04/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-03

Phoenix I.D.: BG26492

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

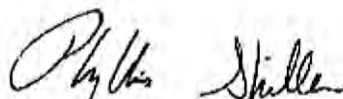
**RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level**

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 08, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 08, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: S  
Received by: LPB  
Analyzed by: see "By" below

### Date Time

04/02/14 0:00  
04/02/14 15:55

## Laboratory Data

SDG ID: GBG26490  
Phoenix ID: BG26493

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	04/02/14	I	E160.3
Extraction for PCB	Completed			04/02/14	PP/I	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	92		%	04/03/14	AW	30 - 150 %
% TCMX	97		%	04/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 040214SV-04

Phoenix I.D.: BG26493

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 08, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 08, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: S  
Received by: LPB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
04/02/14	0:00
04/02/14	15:55

### Laboratory Data

SDG ID: GBG26490  
Phoenix ID: BG26494

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	78		%	04/02/14	I	E160.3
Extraction for PCB	Completed			04/02/14	PP/I	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.42	mg/kg	04/04/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	04/04/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	04/04/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	04/04/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	04/04/14	AW	3540C/8082
PCB-1254	2.5	0.42	mg/kg	04/04/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	04/04/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	04/04/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	04/04/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	82		%	04/04/14	AW	30 - 150 %
% TCMX	100		%	04/04/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-05

Phoenix I.D.: BG26494

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

**RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level**

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 08, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 08, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: S  
Received by: LPB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
04/02/14	0:00
04/02/14	15:55

### Laboratory Data

SDG ID: GBG26490  
Phoenix ID: BG26495

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	04/02/14	I	E160.3
Extraction for PCB	Completed			04/02/14	PP/I	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	109		%	04/03/14	AW	30 - 150 %
% TCMX	96		%	04/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-06

Phoenix I.D.: BG26495

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

**RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level**

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 08, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 08, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: S  
Received by: LPB  
Analyzed by: see "By" below

### Date

04/02/14  
04/02/14

### Time

0:00  
15:55

## Laboratory Data

SDG ID: GBG26490  
Phoenix ID: BG26496

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	04/02/14	I	E160.3
Extraction for PCB	Completed			04/02/14	PP/I	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.4	mg/kg	04/04/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	04/04/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	04/04/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	04/04/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	04/04/14	AW	3540C/8082
PCB-1254	2.6	0.4	mg/kg	04/04/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	04/04/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	04/04/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	04/04/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	89		%	04/04/14	AW	30 - 150 %
% TCMX	102		%	04/04/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-07

Phoenix I.D.: BG26496

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 08, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 08, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: S  
Received by: LPB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
04/02/14	0:00
04/02/14	15:55

### Laboratory Data

SDG ID: GBG26490  
Phoenix ID: BG26497

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	04/02/14	I	E160.3
Extraction for PCB	Completed			04/02/14	PP/I	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	04/03/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	102		%	04/03/14	AW	30 - 150 %
% TCMX	92		%	04/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 040214SV-08

Phoenix I.D.: BG26497

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

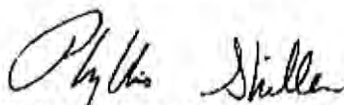
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 08, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 08, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: S  
Received by: LPB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
04/02/14	0:00
04/02/14	15:55

### Laboratory Data

SDG ID: GBG26490  
Phoenix ID: BG26498

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	78		%	04/02/14	I	E160.3
Extraction for PCB	Completed			04/02/14	PP/I	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1254	2.1	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	04/03/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	99		%	04/03/14	AW	30 - 150 %
% TCMX	98		%	04/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-09

Phoenix I.D.: BG26498

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

**RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level**

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 08, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 08, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: S  
Received by: LPB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
04/02/14	0:00
04/02/14	15:55

### Laboratory Data

SDG ID: GBG26490  
Phoenix ID: BG26499

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	04/02/14	I	E160.3
Extraction for PCB	Completed			04/02/14	PP/I	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.39	mg/kg	04/03/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	04/03/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	04/03/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	04/03/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	04/03/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	04/03/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	04/03/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	04/03/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	04/03/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	112		%	04/03/14	AW	30 - 150 %
% TCMX	94		%	04/03/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040214SV-10

Phoenix I.D.: BG26499

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------


RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 08, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

April 08, 2014

### QA/QC Data

SDG I.D.: GBG26490

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 270439, QC Sample No: BG26441 (BG26490, BG26491, BG26492, BG26493, BG26494, BG26495, BG26496, BG26497, BG26498, BG26499)									
<b>Polychlorinated Biphenyls - Solid</b>									
PCB-1016	ND	85	92	7.9	87	91	4.5	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	87	87	0.0	87	89	2.3	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	92	97	100	3.0	96	102	6.1	30 - 150	30
% TCMX (Surrogate Rec)	95	95	99	4.1	96	101	5.1	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

April 08, 2014

# Sample Criteria Exceedences Report

Criteria: None

GBG26490 - FO-PCB

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----	----------------

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



## Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.  
**Project Location:** DISCOVERY ACADEMY **Project Number:**  
**Laboratory Sample ID(s):** BG26490, BG26491, BG26492, BG26493, BG26494, BG26495, BG26496,  
 BG26497, BG26498, BG26499  
**Sampling Date(s):** 4/2/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☒ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☐ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Tuesday, April 08, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

April 08, 2014

SDG I.D.: GBG26490

The samples were received by the laboratory at a temperature of 10 degrees C with cooling initiated. No significant bias is suspected.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 04/03/14-1 (BG26490, BG26491, BG26493)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 4/3/2014

**Instrument:** Au-ecd3 04/03/14-1 (BG26492, BG26495, BG26497, BG26498, BG26499)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 4/3/2014

**Instrument:** Au-ecd3 04/04/14-1 (BG26494, BG26496)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 4/4/2014

**Instrument:** Au-ecd6 04/03/14-1 (BG26494, BG26496)

8082 Narration:



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**April 08, 2014**

**SDG I.D.: GBG26490**

---

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 4/3/2014

### **QC (Batch Specific)**

----- Sample No: BG26441, QA/QC Batch: 270439 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### **Temperature Narration**

The samples in this delivery group were received at 10°C.  
(Note acceptance criteria is above freezing up to 6°C)



FUSS & O'NEILL ENVIROSCIENCE, LLC

Disciplines to Deliver

(860) 640-2469 • www.FandO.com

146 Hartford Road, Manchester, CT 06040

56 Quarry Road, Trumbull, CT 06611

1419 Richland Street, Columbia, SC 29207

78 Interstate Drive, West Springfield, MA 01089

50 Redfield Street, Suite 100, Boston, MA 02122

275 Promenade Street, Suite 350, Providence, RI 02908

80 Washington Street, Suite 301, Poughkeepsie, NY 12601



# CHAIN-OF-CUSTODY RECORD

1347

## PROJECT NAME

Discovery Academy 1716 Cumberland Ave, Wethersfield, CT

## PROJECT LOCATION

20110979.AZE

## PROJECT NUMBER

20110979.AZE

## LABORATORY

PHOENIX

REPORT TO: KATHLEEN PANE

INVOICE TO: KARRON REDFIELD

P.O. NO.: 20110979.AZE

Sampler's Signature: *[Signature]*

Date: 4-2-14

Source Codes:

MW=Monitoring Well

SW=Surface Water

PW=Portable Water

T=Treatment Facility

S=Soil

B=Sediment

W=Waste

A=Air

X=Other

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled
	1	2	3	4				
1	/	/	/	/	040214-SV	-01 S	4-2-14	
2	/	/	/	/	-02			
3	/	/	/	/	-03			
4	/	/	/	/	-04			
5	/	/	/	/	-05			
6	/	/	/	/	-06			
7	/	/	/	/	-07			
8	/	/	/	/	-08			
9	/	/	/	/	-09			
10	/	/	/	/	-10			

Analysis Request

Containers

Containers										Comments
Soil VOA Vial ( )	methanol	water	Glass Soil Container ( )	Other	Water VOA Vial ( )	Glass Amber ( )	Plastic - As is ( )	Plastic - H <sub>2</sub> SO <sub>4</sub> ( )	Plastic - HNO <sub>3</sub> ( )	
			9							





(4-5)

Scil

Thursday, April 10, 2014

Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG28373 - BG28379

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date      Time

04/04/14      0:00  
04/04/14      15:18

### Laboratory Data

SDG ID: GBG28373  
Phoenix ID: BG28373

Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	04/04/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.38	mg/kg	04/09/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	04/09/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	04/09/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	04/09/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	04/09/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	04/09/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	04/09/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	04/09/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	04/09/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	88	%	04/09/14	AW	30 - 150 %
% TCMX	97	%	04/09/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-01

Phoenix I.D.: BG28373

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

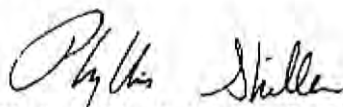
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date      Time

04/04/14      0:00  
04/04/14      15:18

### Laboratory Data

SDG ID: GBG28373  
Phoenix ID: BG28374

Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	04/04/14	I	E160.3
Extraction for PCB	Completed			04/04/14	PP/I	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	04/07/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	85	%	04/07/14	AW	30 - 150 %
% TCMX	87	%	04/07/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-02

Phoenix I.D.: BG28374

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

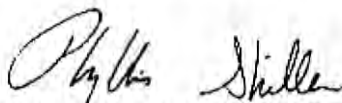
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

04/04/14 0:00  
04/04/14 15:18

### Laboratory Data

SDG ID: GBG28373  
Phoenix ID: BG28375

Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	04/04/14	I	E160.3
Extraction for PCB	Completed			04/04/14	PP/I	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.39	mg/kg	04/07/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	04/07/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	04/07/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	04/07/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	04/07/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	04/07/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	04/07/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	04/07/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	04/07/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	89		%	04/07/14	AW	30 - 150 %
% TCMX	94		%	04/07/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-03

Phoenix I.D.: BG28375

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

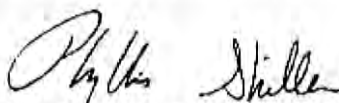
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

Date Time

04/04/14 0:00  
04/04/14 15:18

### Laboratory Data

SDG ID: GBG28373  
Phoenix ID: BG28376

Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	04/04/14	I	E160.3
Extraction for PCB	Completed			04/04/14	PP/I	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	04/07/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	89		%	04/07/14	AW	30 - 150 %
% TCMX	89		%	04/07/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-04

Phoenix I.D.: BG28376

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
04/04/14	0:00
04/04/14	15:18

### Laboratory Data

SDG ID: GBG28373  
Phoenix ID: BG28377

Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	04/04/14	I	E160.3
Extraction for PCB	Completed			04/04/14	PP/I	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.36	mg/kg	04/07/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	04/07/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	04/07/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	04/07/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	04/07/14	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	04/07/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	04/07/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	04/07/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	04/07/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	87		%	04/07/14	AW	30 - 150 %
% TCMX	81		%	04/07/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-05

Phoenix I.D.: BG28377

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

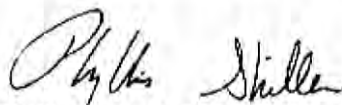
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

04/04/14 0:00  
04/04/14 15:18

## Laboratory Data

SDG ID: GBG28373  
Phoenix ID: BG28378

Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	04/04/14	I	E160.3
Extraction for PCB	Completed			04/04/14	PP/I	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.35	mg/kg	04/07/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	04/07/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	04/07/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	04/07/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	04/07/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	04/07/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	04/07/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	04/07/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	04/07/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	90		%	04/07/14	AW	30 - 150 %
% TCMX	86		%	04/07/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-06

Phoenix I.D.: BG28378

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

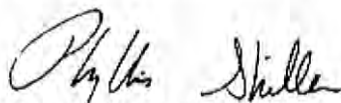
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

04/04/14 0:00  
04/04/14 15:18

### Laboratory Data

SDG ID: GBG28373  
Phoenix ID: BG28379

Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	04/04/14	I	E160.3
Extraction for PCB	Completed			04/04/14	PP/I	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.18	mg/kg	04/07/14	AW	3540C/8082
PCB-1221	ND	0.18	mg/kg	04/07/14	AW	3540C/8082
PCB-1232	ND	0.18	mg/kg	04/07/14	AW	3540C/8082
PCB-1242	ND	0.18	mg/kg	04/07/14	AW	3540C/8082
PCB-1248	ND	0.18	mg/kg	04/07/14	AW	3540C/8082
PCB-1254	ND	0.18	mg/kg	04/07/14	AW	3540C/8082
PCB-1260	ND	0.18	mg/kg	04/07/14	AW	3540C/8082
PCB-1262	ND	0.18	mg/kg	04/07/14	AW	3540C/8082
PCB-1268	ND	0.18	mg/kg	04/07/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	81	%	04/07/14	AW	30 - 150 %
% TCMX	81	%	04/07/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040414-BG-07

Phoenix I.D.: BG28379

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

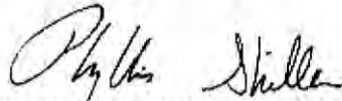
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

April 10, 2014

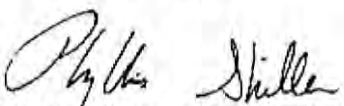
### QA/QC Data

SDG I.D.: GBG28373

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 270652, QC Sample No: BG28296 (BG28373, BG28374, BG28375, BG28376, BG28377, BG28378, BG28379)									
<b>Polychlorinated Biphenyls - Solid</b>									
PCB-1016	ND	88	77	13.3	93	90	3.3	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	97	89	8.6	101	97	4.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	81	86	82	4.8	85	86	1.2	30 - 150	30
% TCMX (Surrogate Rec)	81	95	81	15.9	96	94	2.1	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria  
Intf - Interference

  
Phyllis Shiller, Laboratory Director  
April 10, 2014

Thursday, April 10, 2014

Criteria: None

State: CT

SampNo

Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL  
Criteria

Analysis  
Units

Page 1 of 1

## Sample Criteria Exceedences Report

GBG28373 - FO-PCB

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG28373, BG28374, BG28375, BG28376, BG28377, BG28378, BG28379

**Sampling Date(s):** 4/4/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☒ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☐ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

**I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.**

Authorized  
Signature:

*Ethan Lee*

Date: Thursday, April 10, 2014

Printed Name: Ethan Lee

Position: Project Manager





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

April 10, 2014

SDG I.D.: GBG28373

---

The samples were received by the laboratory at a temperature of 13 degrees C with cooling initiated. No significant bias is suspected.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd5 04/07/14-1 (BG28374, BG28375, BG28376, BG28377, BG28378)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 4/7/2014

**Instrument:** Au-ecd6 04/08/14-1 (BG28373)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 4/8/2014

**Instrument:** Au-ecd8 04/07/14-1 (BG28379)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 4/7/2014

**QC Comments:** QC Batch 270771 04/07/14 (BG28373)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**April 10, 2014**

**SDG I.D.: GBG28373**

---

### **QC (Batch Specific)**

----- Sample No: BG28296, QA/QC Batch: 270652 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### **Temperature Narration**

The samples in this delivery group were received at 13°C.  
(Note acceptance criteria is above freezing up to 6°C)



- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122
- ☐ 275 Promenade Street, Suite 350, Providence, RI 02908
- ☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

1350

LABORATORY

PHOENIX

[illegible]

Reporting and Detection Limit Requirements:

Additional Comments: MAIN BUILDING SOUTH WALL (AREA 6)

EXCAVATION EXTENSION - 8" DEPTH

Diagram #60

---



Thursday, April 10, 2014

Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG29003 - BG29032

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date

04/07/14  
04/07/14

### Time

0:00  
15:44

## Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29003

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	78		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	0.6	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	98		%	04/08/14	AW	30 - 150 %
% TCMX	90		%	04/08/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-01

Phoenix I.D.: BG29003

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

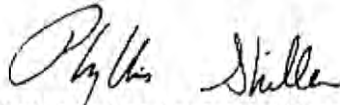
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date      Time

04/07/14      0:00  
04/07/14      15:44

### Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29004

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	110		%	04/08/14	AW	30 - 150 %
% TCMX	82		%	04/08/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-02

Phoenix I.D.: BG29004

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

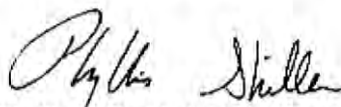
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date

### Time

04/07/14 0:00  
04/07/14 15:44

## Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29005

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	90		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.36	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	04/08/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	103		%	04/08/14	AW	30 - 150 %
% TCMX	86		%	04/08/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date      Time

04/07/14      0:00  
04/07/14      15:44

### Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29006

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	87		%	04/08/14	AW	30 - 150 %
% TCMX	87		%	04/08/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-04

Phoenix I.D.: BG29006

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

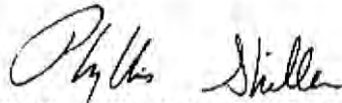
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date Time

04/07/14 0:00  
04/07/14 15:44

### Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29007

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	04/08/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	96	%	04/08/14	AW	30 - 150 %
% TCMX	90	%	04/08/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-05

Phoenix I.D.: BG29007

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

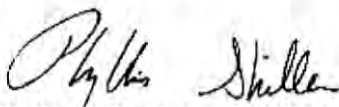
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date

### Time

04/07/14 0:00  
04/07/14 15:44

## Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29008

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	78		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	04/08/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	94	%	04/08/14	AW	30 - 150 %
% TCMX	86	%	04/08/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

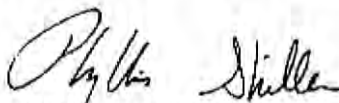
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
04/07/14	0:00
04/07/14	15:44

### Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29009

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	1	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	92		%	04/08/14	AW	30 - 150 %
% TCMX	86		%	04/08/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

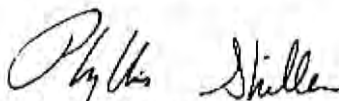
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date

### Time

04/07/14 0:00  
04/07/14 15:44

## Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29010

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	77		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.43	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	04/08/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	88		%	04/08/14	AW	30 - 150 %
% TCMX	80		%	04/08/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 040714-SV-08

Phoenix I.D.: BG29010

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

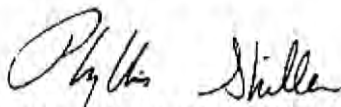
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date

04/07/14  
04/07/14

### Time

0:00  
15:44

### Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29011

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	1.1	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	99		%	04/08/14	AW	30 - 150 %
% TCMX	90		%	04/08/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

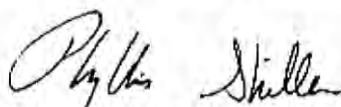
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979A2E

### Custody Information

Collected by:  
Received by: SW  
Analyzed by: see "By" below

### Date

04/07/14  
04/07/14

### Time

0:00  
15:44

## Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29012

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	04/08/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	96	%	04/08/14	AW	30 - 150 %
% TCMX	78	%	04/08/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

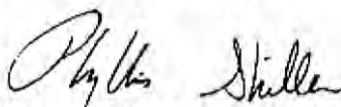
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date

### Time

04/07/14 0:00  
04/07/14 15:44

## Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29013

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	86		%	04/08/14	AW	30 - 150 %
% TCMX	92		%	04/08/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-11

Phoenix I.D.: BG29013

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

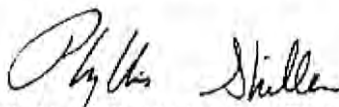
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date

### Time

04/07/14 0:00  
04/07/14 15:44

## Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29014

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	04/08/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	80	%	04/08/14	AW	30 - 150 %
% TCMX	93	%	04/08/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-12

Phoenix I.D.: BG29014

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

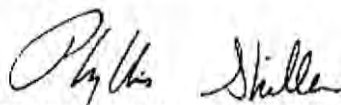
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date Time

04/07/14 0:00  
04/07/14 15:44

## Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29015

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	04/08/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	82	%	04/08/14	AW	30 - 150 %
% TCMX	94	%	04/08/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-13

Phoenix I.D.: BG29015

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

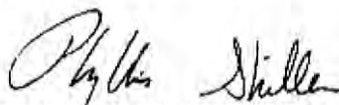
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date      Time

04/07/14      0:00  
04/07/14      15:44

## Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29016

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-14

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	82		%	04/08/14	AW	30 - 150 %
% TCMX	86		%	04/08/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-14

Phoenix I.D.: BG29016

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

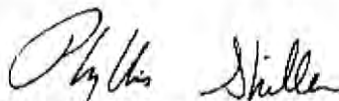
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date

### Time

04/07/14 0:00  
04/07/14 15:44

### Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29017

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	0.77	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	04/08/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	84		%	04/08/14	AW	30 - 150 %
% TCMX	88		%	04/08/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-15

Phoenix I.D.: BG29017

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

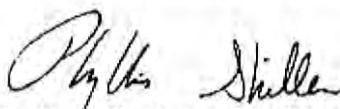
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date Time

04/07/14 0:00  
04/07/14 15:44

## Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29018

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-16

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	04/08/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	80		%	04/08/14	AW	30 - 150 %
% TCMX	91		%	04/08/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 040714-SV-16

Phoenix I.D.: BG29018

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date

04/07/14  
04/07/14

### Time

0:00  
15:44

## Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29019

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-17

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	0.8	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	76		%	04/08/14	AW	30 - 150 %
% TCMX	90		%	04/08/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 10, 2014

FOR: Attn: Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LDA  
Analyzed by: see "By" below

### Date

### Time

04/07/14 0:00  
04/07/14 15:44

## Laboratory Data

SDG ID: GBG29003  
Phoenix ID: BG29020

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-18

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	04/07/14	I	E160.3
Extraction for PCB	Completed			04/07/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	04/08/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	04/08/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	85	%	04/08/14	AW	30 - 150 %
% TCMX	90	%	04/08/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 040714-SV-18

Phoenix I.D.: BG29020

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 10, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Wednesday, January 15, 2014

Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BF96547 - BF96556

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301





Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

# Analysis Report

January 15, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

## Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

## Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

## Date

01/09/14  
01/09/14

## Time

0:00  
15:23

## Laboratory Data

SDG ID: GBF96547  
Phoenix ID: BF96547

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-01A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	01/09/14	I	E160.3
Extraction for PCB	Completed			01/09/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	01/13/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	72		%	01/13/14	AW	30 - 150 %
% TCMX	81		%	01/13/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-01A

Phoenix I.D.: BF96547

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

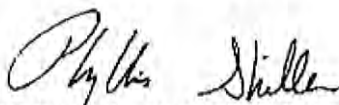
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

January 15, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

Date Time

01/09/14 0:00  
01/09/14 15:23

Laboratory Data

SDG ID: GBF96547  
Phoenix ID: BF96548

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-03A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	01/09/14	I	E160.3
Extraction for PCB	Completed			01/09/14	PP/X	SW3540C

PCB (Soxhlet)

PCB-1016	ND	0.4	mg/kg	01/13/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	01/13/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	01/13/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	01/13/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	01/13/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	01/13/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	01/13/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	01/13/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	01/13/14	AW	3540C/8082

QA/QC Surrogates

% DCBP	62	%	01/13/14	AW	30 - 150 %
% TCMX	79	%	01/13/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-03A

Phoenix I.D.: BF96548

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

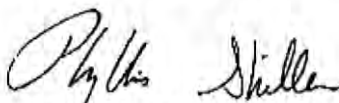
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 15, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date      Time

01/09/14      0:00  
01/09/14      15:23

## Laboratory Data

SDG ID: GBF96547  
Phoenix ID: BF96549

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-05A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	76		%	01/09/14	I	E160.3
Extraction for PCB	Completed			01/09/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.43	mg/kg	01/13/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	01/13/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	01/13/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	01/13/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	01/13/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	01/13/14	AW	3540C/8082
PCB-1260	1.2	0.43	mg/kg	01/13/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	01/13/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	01/13/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	98		%	01/13/14	AW	30 - 150 %
% TCMX	84		%	01/13/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 010914-SV-05A

Phoenix I.D.: BF96549

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

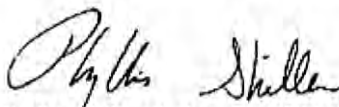
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 15, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979,A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
01/09/14	0:00
01/09/14	15:23

### Laboratory Data

SDG ID: GBF96547  
Phoenix ID: BF96550

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-07A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	01/09/14	I	E160.3
Extraction for PCB	Completed			01/09/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1221	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1232	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1242	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1248	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1254	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1260	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1262	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1268	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	101		%	01/13/14	AW	30 - 150 %
% TCMX	86		%	01/13/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

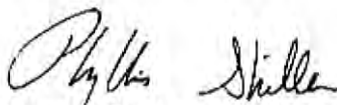
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 15, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date Time

01/09/14 0:00  
01/09/14 15:23

## Laboratory Data

SDG ID: GBF96547  
Phoenix ID: BF96551

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-09A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	73		%	01/09/14	I	E160.3
Extraction for PCB	Completed			01/09/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1221	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1232	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1242	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1248	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1254	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1260	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1262	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
PCB-1268	ND	0.45	mg/kg	01/13/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	76		%	01/13/14	AW	30 - 150 %
% TCMX	85		%	01/13/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

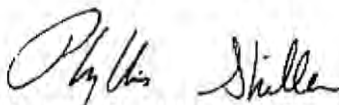
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 15, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date Time

01/09/14 0:00  
01/09/14 15:23

## Laboratory Data

SDG ID: GBF96547  
Phoenix ID: BF96552

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-11A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	01/09/14	I	E160.3
Extraction for PCB	Completed			01/09/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.44	mg/kg	01/13/14	AW	3540C/8082
PCB-1221	ND	0.44	mg/kg	01/13/14	AW	3540C/8082
PCB-1232	ND	0.44	mg/kg	01/13/14	AW	3540C/8082
PCB-1242	ND	0.44	mg/kg	01/13/14	AW	3540C/8082
PCB-1248	ND	0.44	mg/kg	01/13/14	AW	3540C/8082
PCB-1254	ND	0.44	mg/kg	01/13/14	AW	3540C/8082
PCB-1260	ND	0.44	mg/kg	01/13/14	AW	3540C/8082
PCB-1262	ND	0.44	mg/kg	01/13/14	AW	3540C/8082
PCB-1268	ND	0.44	mg/kg	01/13/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	71		%	01/13/14	AW	30 - 150 %
% TCMX	82		%	01/13/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-11A

Phoenix I.D.: BF96552

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 15, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
01/09/14	0:00
01/09/14	15:23

### Laboratory Data

SDG ID: GBF96547  
Phoenix ID: BF96553

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-13A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	74		%	01/09/14	I	E160.3
Extraction for PCB	Completed			01/09/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.44	mg/kg	01/10/14	AW	3540C/8082
PCB-1221	ND	0.44	mg/kg	01/10/14	AW	3540C/8082
PCB-1232	ND	0.44	mg/kg	01/10/14	AW	3540C/8082
PCB-1242	ND	0.44	mg/kg	01/10/14	AW	3540C/8082
PCB-1248	ND	0.44	mg/kg	01/10/14	AW	3540C/8082
PCB-1254	ND	0.44	mg/kg	01/10/14	AW	3540C/8082
PCB-1260	ND	0.44	mg/kg	01/10/14	AW	3540C/8082
PCB-1262	ND	0.44	mg/kg	01/10/14	AW	3540C/8082
PCB-1268	ND	0.44	mg/kg	01/10/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	71		%	01/10/14	AW	30 - 150 %
% TCMX	80		%	01/10/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 15, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date      Time

01/09/14      0:00  
01/09/14      15:23

## Laboratory Data

SDG ID: GBF96547  
Phoenix ID: BF96554

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-14A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	01/09/14	I	E160.3
Extraction for PCB	Completed			01/09/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.42	mg/kg	01/10/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	01/10/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	01/10/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	01/10/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	01/10/14	AW	3540C/8082
PCB-1254	ND	0.42	mg/kg	01/10/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	01/10/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	01/10/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	01/10/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	72		%	01/10/14	AW	30 - 150 %
% TCMX	85		%	01/10/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-14A

Phoenix I.D.: BF96554

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

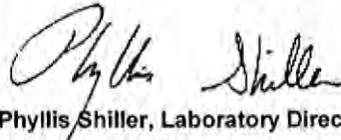
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 15, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date Time

01/09/14 0:00  
01/09/14 15:23

### Laboratory Data

SDG ID: GBF96547  
Phoenix ID: BF96555

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-15A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	01/09/14	I	E160.3
Extraction for PCB	Completed			01/09/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	01/13/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	86		%	01/13/14	AW	30 - 150 %
% TCMX	78		%	01/13/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

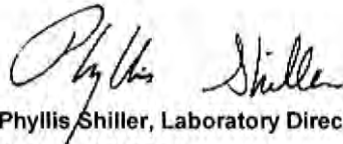
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 15, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date Time

01/09/14 0:00  
01/09/14 15:23

### Laboratory Data

SDG ID: GBF96547  
Phoenix ID: BF96556

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-16A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	72		%	01/09/14	I	E160.3
Extraction for PCB	Completed			01/09/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.45	mg/kg	01/10/14	AW	3540C/8082
PCB-1221	ND	0.45	mg/kg	01/10/14	AW	3540C/8082
PCB-1232	ND	0.45	mg/kg	01/10/14	AW	3540C/8082
PCB-1242	ND	0.45	mg/kg	01/10/14	AW	3540C/8082
PCB-1248	ND	0.45	mg/kg	01/10/14	AW	3540C/8082
PCB-1254	ND	0.45	mg/kg	01/10/14	AW	3540C/8082
PCB-1260	ND	0.45	mg/kg	01/10/14	AW	3540C/8082
PCB-1262	ND	0.45	mg/kg	01/10/14	AW	3540C/8082
PCB-1268	ND	0.45	mg/kg	01/10/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	75		%	01/10/14	AW	30 - 150 %
% TCMX	86		%	01/10/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 010914-SV-16A

Phoenix I.D.: BF96556

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 15, 2014

Reviewed and Released by: Ethan Lee, Project Manager



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102

Fax (860) 645-0823

## QA/QC Report

January 15, 2014

### QA/QC Data

SDG I.D.: GBF96547

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 263906, QC Sample No: BF96091 (BF96547, BF96548, BF96549, BF96550, BF96551, BF96552, BF96553, BF96554, BF96555, BF96556)									
<b>Polychlorinated Biphenyls - Soil</b>									
PCB-1016	ND	79	82	3.7				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	79	81	2.5				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	73	84	85	1.2				30 - 150	30
% TCMX (Surrogate Rec)	80	83	86	3.6				30 - 150	30

**Comment:**

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

January 15, 2014

# Sample Criteria Exceedences Report

GBF96547 - FO-PCB

Criteria: None

State: CT

SampNo Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL Criteria  
Analysis Units

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.  
**Project Location:** DISCOVERY ACADEMY **Project Number:**  
**Laboratory Sample ID(s):** BF96547, BF96548, BF96549, BF96550, BF96551, BF96552, BF96553, BF96554, BF96555, BF96556  
**Sampling Date(s):** 1/9/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☒ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☐ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

**I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.**

Authorized  
Signature:

*Ethan Lee*

Date: Wednesday, January 15, 2014

Printed Name: Ethan Lee

Position: Project Manager





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

January 15, 2014

SDG I.D.: GBF96547

---

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 01/10/14-1 (BF96553, BF96554, BF96555, BF96556)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 1/10/2014

**Instrument:** Au-ecd3 01/10/14-1 (BF96547, BF96548, BF96549, BF96550, BF96551, BF96552)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 1/10/2014

**Instrument:** Au-ecd6 01/13/14-1 (BF96549, BF96550, BF96555)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 1/13/2014

**QC Comments:** QC Batch 263906 01/08/14 (BF96547, BF96548, BF96549, BF96550, BF96551, BF96552, BF96553, BF96554, BF96555, BF96556)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**January 15, 2014**

**SDG I.D.: GBF96547**

---

### **QC (Batch Specific)**

----- Sample No: BF96091, QA/QC Batch: 263906 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### **Temperature Narration**

The samples were received at 1C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)



FUSS & O'NEILL ENVIROSCIENCE, LLC

Disciplines to Deliver

(840) 646-2469 • www.FandO.com

146 Hartford Road, Manchester, CT 06040

56 Quarry Road, Trumbull, CT 06611

1419 Richland Street, Columbia, SC 29201

78 Interstate Drive, West Springfield, MA 01089

50 Redfield Street, Suite 100, Boston, MA 02122

275 Promenade Street, Suite 350, Providence, RI 02908

80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD 1313

1 Day\* ☒ 3 Days\* ☐ Other \_\_\_\_\_ (days)  
2 Days\* ☐ Standard \_\_\_\_\_ (days) \*Surcharge Applies

PROJECT NAME				PROJECT LOCATION				PROJECT NUMBER				LABORATORY				
Discovery Academy 176 Cumberland Ave, Wethersfield CT				20110929.AZE				PHDENIX				Containers				
REPORT TO: KATHLEEN FANE				Analysis Request												
INVOICE TO: HARRON REDFIELD																
P.O. No.: 20110929.AZE																
Sampler's Signature:				Date: 1-9-14												
Source Codes: MW=Monitoring Well PW=Potable Water S=Soil W=Waste SW=Surface Water T=Treatment Facility B=Sediment A=Air																
X=Other _____																
Item No.	Transfer Check	Sample Number	Source Code	Date Sampled	Time Sampled	Comments										
1	1	010914-SV-01A	S	1-9-14		Soil VOA Val. ( ) methanol	Glass Soil Container ( ) water	Glass Soil Container ( ) NaOH	Other	Water VOA Val. ( ) oz	Glass Amber ( )	Plastic - As is ( ) HCl	Plastic - As is ( ) H <sub>2</sub> SO <sub>4</sub>	Plastic - HNO <sub>3</sub> 250 ml ( ) filtered ( ) 500 ml ( ) 1000 ml ( ) Unfiltered	Plastic - NaOH 250 ml ( )	Comments
2	1	-03A														96547
3	1	-05A														96548
4	1	-07A														96549
5	1	-09A														96550
6	1	-11A														96551
7	1	-13A														96552
8	1	-14A														96553
9	1	-15A														96554
10	1	-16A														96555
																96556

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements
1			1-9-14	1523	11:00am < 11pm
2					
3					
4					

Additional Comments: CAFETERIA WEST (AREA 15)  
RESAMPLES  
SAMPLES @ 12"-16" depth



Wednesday, January 22, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BF99832

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script, reading "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

January 22, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: SV  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

01/16/14      0:00  
01/16/14      14:56

### Laboratory Data

SDG ID: GBF99832  
Phoenix ID: BF99832

Project ID: DISCOVERY ACADEMY  
Client ID: 011614-SV-05B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	78		%	01/16/14	I	E160.3
Extraction for PCB	Completed			01/17/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.42	mg/kg	01/20/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	01/20/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	01/20/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	01/20/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	01/20/14	AW	3540C/8082
PCB-1254	ND	0.42	mg/kg	01/20/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	01/20/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	01/20/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	01/20/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	86	%	01/20/14	AW	30 - 150 %
% TCMX	86	%	01/20/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 011614-SV-05B

Phoenix I.D.: BF99832

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

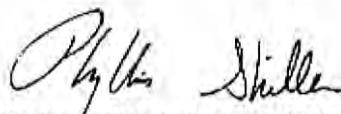
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

January 22, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

January 22, 2014

### QA/QC Data

SDG I.D.: GBF99832

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 264858, QC Sample No: BG00347 (BF99832)									
<b>Polychlorinated Biphenyls - Soil</b>									
PCB-1016	ND	78	83	6.2	85	82	3.6	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	84	88	4.7	84	82	2.4	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	90	91	95	4.3	90	91	1.1	30 - 150	30
% TCMX (Surrogate Rec)	85	82	96	15.7	92	90	2.2	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

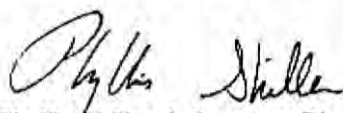
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
January 22, 2014

Wednesday, January 22, 2014

Criteria: None

State: CT

SampNo      Acode      Phoenix Analyte

Criteria

Result

RL

Criteria

RL Criteria

Analysis Units

## Sample Criteria Exceedences Report

GBF99832 - FO-PCB

Page 1 of 1

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BF99832

**Sampling Date(s):** 1/16/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☒ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☐ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

**I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.**

Authorized  
Signature:

*Ethan Lee*

Date: Wednesday, January 22, 2014

Printed Name: Ethan Lee

Position: Project Manager





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

January 22, 2014

SDG I.D.: GBF99832

---

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 01/20/14-1 (BF99832)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner

**Position:** Chemist

**Date:** 1/20/2014

### QC (Batch Specific)

----- Sample No: BG00347, QA/QC Batch: 264858 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples were received at 2C with cooling initiated.

(Note acceptance criteria is above freezing up to 6°C)





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date

03/21/14  
03/21/14

### Time

0:00  
10:39

## Laboratory Data

SDG ID: GBG21559  
Phoenix ID: BG21559

Project ID: DISCOVERY ACADEMY  
Client ID: 032114-BG-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	03/21/14	I	E160.3
Extraction for PCB	Completed			03/21/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.36	mg/kg	03/24/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	03/24/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	03/24/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	03/24/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	03/24/14	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	03/24/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	03/24/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	03/24/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	03/24/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	100		%	03/24/14	AW	30 - 150 %
% TCMX	96		%	03/24/14	AW	30 - 150 %



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date

### Time

03/21/14 0:00  
03/21/14 10:39

## Laboratory Data

SDG ID: GBG21559  
Phoenix ID: BG21560

Project ID: DISCOVERY ACADEMY  
Client ID: 032114-BG-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	03/21/14	I	E160.3
Extraction for PCB	Completed			03/21/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1254	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	96		%	03/24/14	AW	30 - 150 %
% TCMX	93		%	03/24/14	AW	30 - 150 %



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date

03/21/14  
03/21/14

### Time

0:00  
10:39

## Laboratory Data

SDG ID: GBG21559  
Phoenix ID: BG21561

Project ID: DISCOVERY ACADEMY  
Client ID: 032114-BG-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	03/21/14	I	E160.3
Extraction for PCB	Completed			03/21/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	91		%	03/24/14	AW	30 - 150 %
% TCMX	87		%	03/24/14	AW	30 - 150 %



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date

### Time

03/21/14 0:00  
03/21/14 10:39

## Laboratory Data

SDG ID: GBG21559  
Phoenix ID: BG21562

Project ID: DISCOVERY ACADEMY  
Client ID: 032114-BG-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	77		%	03/21/14	I	E160.3
Extraction for PCB	Completed			03/21/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.42	mg/kg	03/24/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	03/24/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	03/24/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	03/24/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	03/24/14	AW	3540C/8082
PCB-1254	ND	0.42	mg/kg	03/24/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	03/24/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	03/24/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	03/24/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	91		%	03/24/14	AW	30 - 150 %
% TCMX	90		%	03/24/14	AW	30 - 150 %





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date

03/21/14  
03/21/14

### Time

0:00  
10:39

## Laboratory Data

SDG ID: GBG21559  
Phoenix ID: BG21563

Project ID: DISCOVERY ACADEMY  
Client ID: 032114-BG-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	03/21/14	I	E160.3
Extraction for PCB	Completed			03/21/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	98		%	03/24/14	AW	30 - 150 %
% TCMX	96		%	03/24/14	AW	30 - 150 %



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date

### Time

03/21/14 0:00  
03/21/14 10:39

## Laboratory Data

SDG ID: GBG21559  
Phoenix ID: BG21564

Project ID: DISCOVERY ACADEMY  
Client ID: 032114-BG-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	75		%	03/21/14	I	E160.3
Extraction for PCB	Completed			03/21/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.43	mg/kg	03/24/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	03/24/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	03/24/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	03/24/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	03/24/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	03/24/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	03/24/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	03/24/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	03/24/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	102		%	03/24/14	AW	30 - 150 %
% TCMX	96		%	03/24/14	AW	30 - 150 %





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/21/14	0:00
03/21/14	10:39

### Laboratory Data

SDG ID: GBG21559  
Phoenix ID: BG21565

Project ID: DISCOVERY ACADEMY  
Client ID: 032114-BG-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	03/21/14	I	E160.3
Extraction for PCB	Completed			03/21/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1254	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	96		%	03/24/14	AW	30 - 150 %
% TCMX	95		%	03/24/14	AW	30 - 150 %



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/21/14	0:00
03/21/14	10:39

### Laboratory Data

SDG ID: GBG21559  
Phoenix ID: BG21566

Project ID: DISCOVERY ACADEMY  
Client ID: 032114-BG-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	03/21/14	I	E160.3
Extraction for PCB	Completed			03/21/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	98		%	03/24/14	AW	30 - 150 %
% TCMX	87		%	03/24/14	AW	30 - 150 %



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/21/14	0:00
03/21/14	10:39

### Laboratory Data

SDG ID: GBG21559  
Phoenix ID: BG21567

Project ID: DISCOVERY ACADEMY  
Client ID: 032114-BG-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	03/21/14	I	E160.3
Extraction for PCB	Completed			03/21/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	03/24/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	85		%	03/24/14	AW	30 - 150 %
% TCMX	89		%	03/24/14	AW	30 - 150 %



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date

03/21/14  
03/21/14

### Time

0:00  
10:39

## Laboratory Data

SDG ID: GBG21559  
Phoenix ID: BG21568

Project ID: DISCOVERY ACADEMY  
Client ID: 032114-BG-09 DUP

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	03/21/14	I	E160.3
Extraction for PCB	Completed			03/21/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	74		%	03/24/14	AW	30 - 150 %
% TCMX	76		%	03/24/14	AW	30 - 150 %



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date

### Time

03/21/14 0:00  
03/21/14 10:39

## Laboratory Data

SDG ID: GBG21559  
Phoenix ID: BG21569

Project ID: DISCOVERY ACADEMY  
Client ID: 032114-BG-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	03/21/14	I	E160.3
Extraction for PCB	Completed			03/21/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1221	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1232	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1242	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1248	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1254	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1260	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1262	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
PCB-1268	ND	0.37	mg/kg	03/24/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	90		%	03/24/14	AW	30 - 150 %
% TCMX	87		%	03/24/14	AW	30 - 150 %



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

March 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

Date

Time

03/21/14 0:00  
03/21/14 10:39

Laboratory Data

SDG ID: GBG21559  
Phoenix ID: BG21570

Project ID: DISCOVERY ACADEMY  
Client ID: 032114-BG-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	03/21/14	I	E160.3
Extraction for PCB	Completed			03/21/14	PP/X	SW3540C

**PCB (Soxhlet)**

PCB-1016	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	03/24/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	03/24/14	AW	3540C/8082

**QA/QC Surrogates**

% DCBP	71	%	03/24/14	AW	30 - 150 %
% TCMX	76	%	03/24/14	AW	30 - 150 %



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

March 25, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

Date Time

03/21/14 0:00  
03/21/14 10:39

### Laboratory Data

SDG ID: GBG21559  
Phoenix ID: BG21571

Project ID: DISCOVERY ACADEMY  
Client ID: 032114-BG-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	03/21/14	I	E160.3
Extraction for PCB	Completed			03/21/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.38	mg/kg	03/24/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	03/24/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	03/24/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	03/24/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	03/24/14	AW	3540C/8082
PCB-1254	ND	0.38	mg/kg	03/24/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	03/24/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	03/24/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	03/24/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	91		%	03/24/14	AW	30 - 150 %
% TCMX	90		%	03/24/14	AW	30 - 150 %





FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

Disciplines in Defense

(860) 741-7400 • www.fodco.com

- ☒ 1-6 Hartford Road, Meriden, CT 06450  
☐ 30 Quaker Road, Trumbull, CT 06611  
☐ 11171 Kitchland Street, Culverden, SC 29531  
☐ 78 Interstate Drive, West Springfield, MA 01088

- ☐ 50 Bedford Street, Suite 100, Boston, MA 02122  
☐ 275 Providence Street, Suite 330, Providence, RI 02905  
☐ 80 Washington Street, Suite 331, Poughkeepsie, NY 12602

## CHAIN-OF-CUSTODY RECORD 1339

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Discovery Academy 176 Cumberland Ave, Wethersfield, CT 20110979, AZE Phoenix

REPORT TO: Kathleen Paine

INVOICE TO: Karan Redfield

P.O. NO: 20110979, AZE

Sampler's Signature: *[Signature]*

Date: 3-21-14

Source Codes: MW=Monitoring Well PW=Private Water S=Soil W=Waste  
SW=Surface Water T=Testament Facility D=Debris A=Air

X Other

Transfer Check

1 2 3 4

Source Number

Source Code

Date Sampled

Time Sampled

Item No.

1

2

3

4

5

6

7

8

9

10

032114-84-01

-02

-03

-04

-05

-06

-07

-08

-09

-09DUP

032114

S

S

S

S

S

S

S

S

S

032114

S

S

S

S

S

S

S

S

S

032114

S

S

S

S

S

S

S

S

S

032114

S

S

S

S

S

S

S

S

S

032114

S

S

S

S

S

S

S

S

S

032114

S

S

S

S

S

S

S

S

S

032114

S

S

S

S

S

S

S

S

S

032114

S

S

S

S

S

S

S

S

S

032114

S

S

S

S

S

S

S

S

S

032114

S

S

S

S

S

S

S

S

S

032114

S

S

S

S

S

S

S

S

S

032114

S

S

S

S

S

S

S

S

S

Transfer Number

1

2

3

4

Relinquished To:

*[Signature]*

Accepted By:

*[Signature]*

Date:

3/21/14

Time:

10:37

Accompanying and Detective Lead Representative:

*[Signature]*

South Building - South Side - West

Aren 10





Thursday, April 03, 2014

Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG24416 - BG24438

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24416

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-01

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	107		%	03/31/14	AW	30 - 150 %
% TCMX	110		%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-01

Phoenix I.D.: BG24416

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

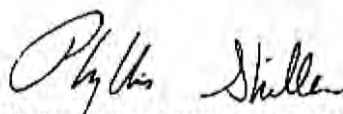
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date      Time

03/28/14      0:00  
03/28/14      15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24417

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-02

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	106		%	03/31/14	AW	30 - 150 %
% TCMX	103		%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-02

Phoenix I.D.: BG24417

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

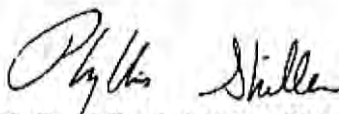
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24418

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-03

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	98		%	03/31/14	AW	30 - 150 %
% TCMX	84		%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-03

Phoenix I.D.: BG24418

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

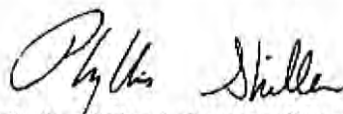
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24419

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-04

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.41	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	03/31/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	100		%	03/31/14	AW	30 - 150 %
% TCMX	86		%	03/31/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-04

Phoenix I.D.: BG24419

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

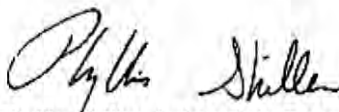
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24420

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-05

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	2	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	2	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	2	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	2	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	2	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	7.2	2	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	2	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	2	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	2	mg/kg	03/31/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	Diluted Out		%	03/31/14	AW	30 - 150 %
% TCMX	Diluted Out		%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-05

Phoenix I.D.: BG24420

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24421

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-06

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	1.9	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	1.9	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	1.9	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	1.9	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	1.9	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	ND	1.9	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	1.9	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	1.9	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	1.9	mg/kg	03/31/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	Diluted Out	%	03/31/14	AW	30 - 150 %
% TCMX	Diluted Out	%	03/31/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

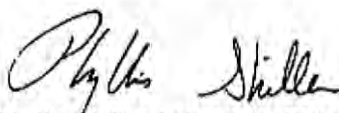
**\*PCB Analysis Comment:**

Due to the presence of what appears to be Chlordane in the sample which co-elutes with the PCBs, an elevated RL was reported.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24422

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-07

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	1	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	103		%	03/31/14	AW	30 - 150 %
% TCMX	105		%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-07

Phoenix I.D.: BG24422

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

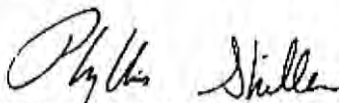
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date      Time

03/28/14      0:00  
03/28/14      15:12

## Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24423

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-08

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.38	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.38	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.38	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.38	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.38	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	0.96	0.38	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.38	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.38	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.38	mg/kg	03/31/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	56	%	03/31/14	AW	30 - 150 %
% TCMX	58	%	03/31/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-08

Phoenix I.D.: BG24423

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

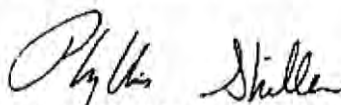
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24424

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-09

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	1.7	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	03/31/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	74	%	03/31/14	AW	30 - 150 %
% TCMX	82	%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-09

Phoenix I.D.: BG24424

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

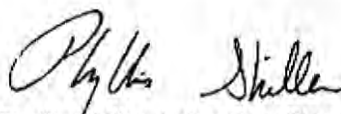
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date      Time

03/28/14      0:00  
03/28/14      15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24425

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-10

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	3.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	3.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	3.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	3.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	3.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	18	3.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	3.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	3.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	3.8	mg/kg	03/31/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	Diluted Out		%	03/31/14	AW	30 - 150 %
% TCMX	Diluted Out		%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-10

Phoenix I.D.: BG24425

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

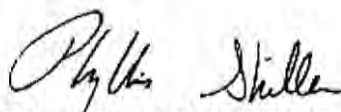
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date      Time

03/28/14      0:00  
03/28/14      15:12

## Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24426

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-11

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	78		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	2.1	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	03/31/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	51	%	03/31/14	AW	30 - 150 %
% TCMX	55	%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-11

Phoenix I.D.: BG24426

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24427

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-12

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	1.2	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	03/31/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	36		%	03/31/14	AW	30 - 150 %
% TCMX	42		%	03/31/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-12

Phoenix I.D.: BG24427

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

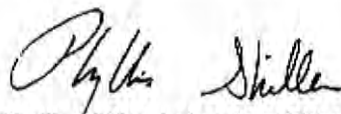
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24428

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-13

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	78		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	3.3	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	03/31/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	99	%	03/31/14	AW	30 - 150 %
% TCMX	105	%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-13

Phoenix I.D.: BG24428

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

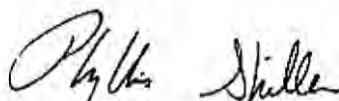
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/28/14	0:00
03/28/14	15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24429

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-14

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	4	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	4	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	4	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	4	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	4	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	16	4	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	4	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	4	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	4	mg/kg	03/31/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	Diluted Out		%	03/31/14	AW	30 - 150 %
% TCMX	Diluted Out		%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-14

Phoenix I.D.: BG24429

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24430

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-15

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	2.1	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	2.1	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	2.1	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	2.1	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	2.1	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	3	2.1	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	2.1	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	2.1	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	2.1	mg/kg	03/31/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	Diluted Out		%	03/31/14	AW	30 - 150 %
% TCMX	Diluted Out		%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-15

Phoenix I.D.: BG24430

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date

### Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24431

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-16

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	1.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	1.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	1.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	1.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	1.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	4.8	1.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	1.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	1.8	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	1.8	mg/kg	03/31/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	Diluted Out	%	03/31/14	AW	30 - 150 %
% TCMX	Diluted Out	%	03/31/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-16

Phoenix I.D.: BG24431

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

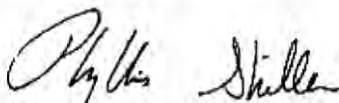
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24432

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-17

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	1.2	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	03/31/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	108	%	03/31/14	AW	30 - 150 %
% TCMX	104	%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-17

Phoenix I.D.: BG24432

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24433

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-18

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	92		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	1.6	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	03/31/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	119	%	03/31/14	AW	30 - 150 %
% TCMX	105	%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-18

Phoenix I.D.: BG24433

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

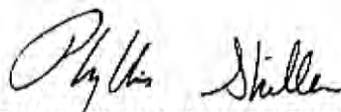
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24434

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-19

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	03/31/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	111	%	03/31/14	AW	30 - 150 %
% TCMX	98	%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-19

Phoenix I.D.: BG24434

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------


RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

Date Time

03/28/14 0:00  
03/28/14 15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24435

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-20

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	0.8	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	03/31/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	141	%	03/31/14	AW	30 - 150 %
% TCMX	105	%	03/31/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-20

Phoenix I.D.: BG24435

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

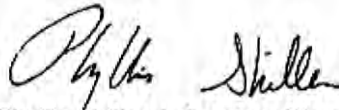
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date

03/28/14  
03/28/14

### Time

0:00  
15:12

## Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24436

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-21

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	89		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.36	mg/kg	03/31/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	114		%	03/31/14	AW	30 - 150 %
% TCMX	100		%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-21

Phoenix I.D.: BG24436

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

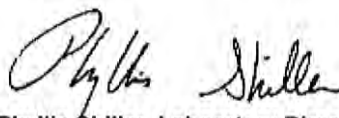
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date      Time

03/28/14      0:00  
03/28/14      15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24437

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-22

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	94		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/28/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1221	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1232	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1242	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1248	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1254	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1260	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1262	ND	0.35	mg/kg	03/31/14	AW	3540C/8082
PCB-1268	ND	0.35	mg/kg	03/31/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	98	%	03/31/14	AW	30 - 150 %
% TCMX	90	%	03/31/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-22

Phoenix I.D.: BG24437

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

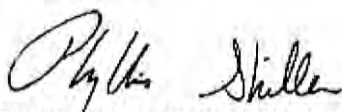
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

April 03, 2014

FOR: Attn: Ms Kathleen Pane  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&O-PCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LK  
Analyzed by: see "By" below

### Date      Time

03/28/14      0:00  
03/28/14      15:12

### Laboratory Data

SDG ID: GBG24416  
Phoenix ID: BG24438

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-13D

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	03/28/14	I	E160.3
Extraction for PCB	Completed			03/31/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	2.1	mg/kg	04/01/14	AW	3540C/8082
PCB-1221	ND	2.1	mg/kg	04/01/14	AW	3540C/8082
PCB-1232	ND	2.1	mg/kg	04/01/14	AW	3540C/8082
PCB-1242	ND	2.1	mg/kg	04/01/14	AW	3540C/8082
PCB-1248	ND	2.1	mg/kg	04/01/14	AW	3540C/8082
PCB-1254	5.3	2.1	mg/kg	04/01/14	AW	3540C/8082
PCB-1260	ND	2.1	mg/kg	04/01/14	AW	3540C/8082
PCB-1262	ND	2.1	mg/kg	04/01/14	AW	3540C/8082
PCB-1268	ND	2.1	mg/kg	04/01/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	Diluted Out		%	04/01/14	AW	30 - 150 %
% TCMX	Diluted Out		%	04/01/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 032814-SV-13D

Phoenix I.D.: BG24438

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

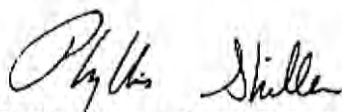
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

April 03, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

April 03, 2014

### QA/QC Data

SDG I.D.: GBG24416

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 269923, QC Sample No: BG24006 (BG24416, BG24417, BG24418, BG24419)									
<b>Polychlorinated Biphenyls - Solid</b>									
PCB-1016	ND	89	90	1.1				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	88	90	2.2				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	86	99	92	7.3				30 - 150	30
% TCMX (Surrogate Rec)	84	93	91	2.2				30 - 150	30

**Comment:**

**\*QC Comment**

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 270148, QC Sample No: BG24438 (BG24438)

**Polychlorinated Biphenyls - Solid**

PCB-1016	ND	100	98	2.0				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	102	105	2.9				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	108	109	106	2.8				30 - 150	30
% TCMX (Surrogate Rec)	104	106	104	1.9				30 - 150	30

**Comment:**

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 270027, QC Sample No: BG24494 (BG24420, BG24421, BG24422, BG24423, BG24424, BG24425, BG24426, BG24427, BG24428, BG24429, BG24430, BG24431, BG24432, BG24433, BG24434, BG24435, BG24436)

**Polychlorinated Biphenyls - Solid**

PCB-1016	ND	91						40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	99						40 - 140	30



**QA/QC Data**

SDG I.D.: GBG24416

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	98	106						30 - 150	30
% TCMX (Surrogate Rec)	99	105						30 - 150	30

**Comment:**

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample.

QA/QC Batch 270028, QC Sample No: BG24516 (BG24437)

**Polychlorinated Biphenyls - Solid**

PCB-1016	ND	102	102	0.0	96	103	7.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	105	106	0.9	106	108	1.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	98	106	108	1.9	101	99	2.0	30 - 150	30
% TCMX (Surrogate Rec)	97	107	106	0.9	99	105	5.9	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

April 03, 2014

Thursday, April 03, 2014

Criteria: None

State: CT

SampNo    Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL    Analysis  
Criteria    Units

Page 1 of 1

## Sample Criteria Exceedences Report

### GBG24416 - FO-PCB

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill, Inc.

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG24416, BG24417, BG24418, BG24419, BG24420, BG24421, BG24422, BG24423, BG24424, BG24425, BG24426, BG24427, BG24428, BG24429, BG24430, BG24431, BG24432, BG24433, BG24434, BG24435, BG24436, BG24437, BG24438

**Sampling Date(s):** 3/28/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☒ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☐ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

**I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.**

Authorized  
Signature:

*Ethan Lee*

Date: Thursday, April 03, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

April 03, 2014

SDG I.D.: GBG24416

---

BG24421 - This sample required a dilution for PCBs due to the presence of what appears to be Chlordane, which co-elutes with PCBs. This resulted in elevated RLs that exceed the requested criteria.

The samples were received by the laboratory at a temperature of 10 degrees C with cooling initiated. No significant bias is suspected.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 03/31/14-1 (BG24420, BG24421, BG24424, BG24425, BG24426, BG24427, BG24428, BG24429, BG24430, BG24431)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 3/31/2014

**Instrument:** Au-ecd1 04/01/14-1 (BG24438)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 4/1/2014

**Instrument:** Au-ecd3 03/31/14-1 (BG24416, BG24417, BG24432, BG24433, BG24434, BG24435, BG24436)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 3/31/2014



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

April 03, 2014

SDG I.D.: GBG24416

---

**Instrument:** Au-ecd5 03/31/14-1 (BG24418, BG24419, BG24422, BG24423, BG24437)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 3/31/2014

**Instrument:** Au-ecd5 04/01/14-1 (BG24438)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 4/1/2014

**QC Comments:** QC Batch 269923 03/27/14 (BG24416, BG24417, BG24418, BG24419)

\*QC Comment

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

**QC Comments:** QC Batch 270027 03/28/14 (BG24420, BG24421, BG24422, BG24423, BG24424, BG24425, BG24426, BG24427, BG24428, BG24429, BG24430, BG24431, BG24432, BG24433, BG24434, BG24435, BG24436)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample.

**QC Comments:** QC Batch 270148 03/31/14 (BG24438)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**April 03, 2014**

**SDG I.D.: GBG24416**

---

### **QC (Site Specific)**

----- Sample No: BG24438, QA/QC Batch: 270148 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### **QC (Batch Specific)**

----- Sample No: BG24006, QA/QC Batch: 269923 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BG24494, QA/QC Batch: 270027 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

----- Sample No: BG24516, QA/QC Batch: 270028 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### **Temperature Narration**

The samples in this delivery group were received at 10°C.  
(Note acceptance criteria is above freezing up to 6°C)

☒ 146 Hartford Road, Manchester, CT 06040  
☐ 56 Quarry Road, Trumbull, CT 06611  
☐ 1419 Richland Street, Columbia, SC 29201  
☐ 78 Interstate Drive, West Springfield, MA 01081

☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

1344 CHAIN-OF-CUSTODY RECORD

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

PROJECT NAME	1710 G
DISCOVERY ACADEMY	

HERSFIELD CT 20110979, A2E  
PROJECT NUMBER

PHOENIX  
LABORATORY

REPORT TO: KATHLEEN PANE

Analysis Request

INVOICE TO: KARRON REDFIELD

P.O. No.: 20110979.A2E

\_\_\_\_\_  
 Sampler's Signature: *Steph Ward* Date: 3-28-14

Source Codes:

PW=Potable Water	S=Soil	W=Waste
MW=Monitoring Well	B=Sediment	A=Air
SW=Surface Water	T=Treatment Facility	

C=Other

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled
	1	2	3	4				
1	✓				032814-SV-01	S	3-28-14	
2	✓				-02			
3	✓				-03			
4	✓				-04			
5	✓				<del>-05</del> 05			
6	✓				<del>-06</del> 06			
7	✓				<del>-07</del> 07			
8	✓				<del>-08</del> 08			
9	✓				-09			
10	✓				-10			

[illegible]

Relinquished By

Accepted By

Date	Time
------	------

### Reporting and Detection Limit Requirements:

 $\angle / \text{ppm}$ 

Additional Comments: MAIN BUILDING SOUTH WING

K12 SIDE AREA LO

② 8 Hudev ① 1776 Hudev



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

Disciplines to Deliver

(800) 646-2469 • www.FandO.com

- ☒ 146 Hartford Road, Manchester, CT 06040  
☐ 56 Quarry Road, Trumbull, CT 06611  
☐ 1419 Richland Street, Columbia, SC 29201  
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

2013

## CHAIN-OF-CUSTODY RECORD 1345

1345

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Discovery Academy 1710 CUMBERLAND AVE, WETHERSFIELD CT

20110979.AZE

PHOENIX

REPORT TO: KATHLEEN PANE

INVOICE TO: KARRON REDFIELD

P.O. No.: 20110979.AZE

Sampler's Signature: *Steve Vandew...* Date: 3-28-14

Source Codes: PW=Potable Water S=Soil W=Waste  
MW=Monitoring Well T=Treatment Facility B=Sediment A=Air  
SW=Surface Water

X=Other

Analysis Request

Containers

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled	Comments									
	1	2	3	4					Soil VOA Val. ( )	Glass Soil Container ( )	Water VOA Val. ( )	Glass Amber ( )	Plastic - As is ( )	Plastic - H <sub>2</sub> SO <sub>4</sub> ( )	Plastic - HNO <sub>3</sub> ( )	Plastic - NaOH ( )		
11	/				032814-SV-11	S	3-28-14		/	/	/	/	/	/	/	/	24426	2
12	/				-12				/	/	/	/	/	/	/	/	24427	2
13	/				-13				/	/	/	/	/	/	/	/	24428	2
14	/				-14				/	/	/	/	/	/	/	/	24429	2
15	/				-15				/	/	/	/	/	/	/	/	24430	2
16	/				-16				/	/	/	/	/	/	/	/	24431	2
17	/				-17				/	/	/	/	/	/	/	/	24432	2
18	/				-18				/	/	/	/	/	/	/	/	24433	2
19	/				-19				/	/	/	/	/	/	/	/	24434	2
20	/				-20				/	/	/	/	/	/	/	/	24435	2

Transfer Number

Relinquished By

Accepted By

Date

Reporting and Detection Limit Requirements:

<1ppm

1

2

3

4

3/28/14

1100

Additional Comments:

MAIN BUILDING SOUTH WALK

16.12 SIDP AREA

③ 30' DEPTH 8"





FUSS & O'NEILL ENVIROSCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

- ☒ 146 Hartford Road, Manchester, CT 06040  
☐ 56 Quarry Road, Trumbull, CT 06611  
☐ 1419 Richland Street, Columbia, SC 29201  
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

3013

## CHAIN-OF-CUSTODY RECORD 1346

☐ 1 Day\* ☒ 3 Days\* ☐ Standard (\_\_\_\_ days) ☐ Other \_\_\_\_\_ (days)  
☐ 2 Days\* ☐ \*Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Discovery Academy 1716 Cumberland Ave, Wethersfield CT

20110979.AZE

PHOENIX

REPORT TO: KATHLEEN PANE

INVOICE TO: KARRON REDFIELD

P.O. No.: 20110979.AZE

Sampler's Signature: *Kathleen Pane* Date: 3-28-14

Source Codes:

MW=Monitoring Well

SW=Surface Water

PW=Possible Water

T=Treatment Facility

S=Soil

B=Sediment

W=Waste

A=Air

X=Other

Analysis Request

Containers

Soil VOA Val. [ ] methanol

Glass Soil Container [ ] water

Other [ ] NaOH

Water VOA Val. [ ] AS is [ ] HCl

Glass Amber [ ] AS is [ ] H<sub>2</sub>SO<sub>4</sub>

Plastic - AS is [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - HNO<sub>3</sub> [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - NaOH [ ] 250 ml [ ] 500 [ ] 1000 ml

Unfiltered

Filtered

Unfiltered

Filtered

Unfiltered

Filtered

Soil VOA Val. [ ] methanol

Glass Soil Container [ ] water

Other [ ] NaOH

Water VOA Val. [ ] AS is [ ] HCl

Glass Amber [ ] AS is [ ] H<sub>2</sub>SO<sub>4</sub>

Plastic - AS is [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - HNO<sub>3</sub> [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - NaOH [ ] 250 ml [ ] 500 [ ] 1000 ml

Unfiltered

Filtered

Unfiltered

Filtered

Soil VOA Val. [ ] methanol

Glass Soil Container [ ] water

Other [ ] NaOH

Water VOA Val. [ ] AS is [ ] HCl

Glass Amber [ ] AS is [ ] H<sub>2</sub>SO<sub>4</sub>

Plastic - AS is [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - HNO<sub>3</sub> [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - NaOH [ ] 250 ml [ ] 500 [ ] 1000 ml

Unfiltered

Filtered

Unfiltered

Filtered

Soil VOA Val. [ ] methanol

Glass Soil Container [ ] water

Other [ ] NaOH

Water VOA Val. [ ] AS is [ ] HCl

Glass Amber [ ] AS is [ ] H<sub>2</sub>SO<sub>4</sub>

Plastic - AS is [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - HNO<sub>3</sub> [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - NaOH [ ] 250 ml [ ] 500 [ ] 1000 ml

Unfiltered

Filtered

Unfiltered

Filtered

Soil VOA Val. [ ] methanol

Glass Soil Container [ ] water

Other [ ] NaOH

Water VOA Val. [ ] AS is [ ] HCl

Glass Amber [ ] AS is [ ] H<sub>2</sub>SO<sub>4</sub>

Plastic - AS is [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - HNO<sub>3</sub> [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - NaOH [ ] 250 ml [ ] 500 [ ] 1000 ml

Unfiltered

Filtered

Unfiltered

Filtered

Soil VOA Val. [ ] methanol

Glass Soil Container [ ] water

Other [ ] NaOH

Water VOA Val. [ ] AS is [ ] HCl

Glass Amber [ ] AS is [ ] H<sub>2</sub>SO<sub>4</sub>

Plastic - AS is [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - HNO<sub>3</sub> [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - NaOH [ ] 250 ml [ ] 500 [ ] 1000 ml

Unfiltered

Filtered

Unfiltered

Filtered

Soil VOA Val. [ ] methanol

Glass Soil Container [ ] water

Other [ ] NaOH

Water VOA Val. [ ] AS is [ ] HCl

Glass Amber [ ] AS is [ ] H<sub>2</sub>SO<sub>4</sub>

Plastic - AS is [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - HNO<sub>3</sub> [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - NaOH [ ] 250 ml [ ] 500 [ ] 1000 ml

Unfiltered

Filtered

Unfiltered

Filtered

Soil VOA Val. [ ] methanol

Glass Soil Container [ ] water

Other [ ] NaOH

Water VOA Val. [ ] AS is [ ] HCl

Glass Amber [ ] AS is [ ] H<sub>2</sub>SO<sub>4</sub>

Plastic - AS is [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - HNO<sub>3</sub> [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - NaOH [ ] 250 ml [ ] 500 [ ] 1000 ml

Unfiltered

Filtered

Unfiltered

Filtered

Soil VOA Val. [ ] methanol

Glass Soil Container [ ] water

Other [ ] NaOH

Water VOA Val. [ ] AS is [ ] HCl

Glass Amber [ ] AS is [ ] H<sub>2</sub>SO<sub>4</sub>

Plastic - AS is [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - HNO<sub>3</sub> [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - NaOH [ ] 250 ml [ ] 500 [ ] 1000 ml

Unfiltered

Filtered

Unfiltered

Filtered

Soil VOA Val. [ ] methanol

Glass Soil Container [ ] water

Other [ ] NaOH

Water VOA Val. [ ] AS is [ ] HCl

Glass Amber [ ] AS is [ ] H<sub>2</sub>SO<sub>4</sub>

Plastic - AS is [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - HNO<sub>3</sub> [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - NaOH [ ] 250 ml [ ] 500 [ ] 1000 ml

Unfiltered

Filtered

Unfiltered

Filtered

Soil VOA Val. [ ] methanol

Glass Soil Container [ ] water

Other [ ] NaOH

Water VOA Val. [ ] AS is [ ] HCl

Glass Amber [ ] AS is [ ] H<sub>2</sub>SO<sub>4</sub>

Plastic - AS is [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - HNO<sub>3</sub> [ ] 250 ml [ ] 500 [ ] 1000 ml

Plastic - NaOH [ ] 250 ml [ ] 500 [ ] 1000 ml

Unfiltered

Filtered

Unfiltered

Filtered

Transfer Number

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

< 1 ppm

Additional Comments:

MAIN BUILDING SOUTH WALL

SID AREA 6

① 24" DEPTH

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

## Appendix D

---

### 4) Transformer Vault Soil Verification Sampling Results



Transfer Vanet  
soils  
ETPH #1

Monday, June 30, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG59052, BG59055, BG59058, BG59061

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 30, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

Date Time  
06/13/14 0:00  
06/13/14 12:23

### Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59052

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-1A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	75		%	06/13/14	I	E160.3
Extraction of CT ETPH	Completed			06/25/14	JJ/F	3545
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	66	mg/Kg	06/26/14	JRB	CT ETPH/8015
Identification	ND		mg/Kg	06/26/14	JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	64		%	06/26/14	JRB	50 - 150 %
-----------------	----	--	---	----------	-----	------------

### PCB (Soxhlet)

PCB-1016	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	93		%	06/16/14	AW	30 - 150 %
% TCMX	101		%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

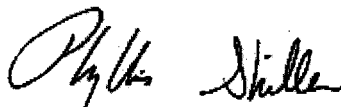
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 30, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 30, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

Date

Time

06/13/14 0:00  
06/13/14 12:23

Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59055

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-4A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	06/13/14	I	E160.3
Extraction of CT ETPH	Completed			06/25/14	JJ/F	3545
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	57	mg/Kg	06/26/14	JRB	CT ETPH/8015
Identification	ND		mg/Kg	06/26/14	JRB	CT ETPH/8015

QA/QC Surrogates

% n-Pentacosane	82		%	06/26/14	JRB	50 - 150 %
-----------------	----	--	---	----------	-----	------------

PCB (Soxhlet)

PCB-1016	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	06/16/14	AW	3540C/8082

QA/QC Surrogates

% DCBP	115		%	06/16/14	AW	30 - 150 %
% TCMX	108		%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-4A

Phoenix I.D.: BG59055

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

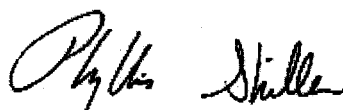
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 30, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 30, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date Time

06/13/14 0:00  
06/13/14 12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59058

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-7A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	56		%	06/13/14	I	E160.3
Extraction of CT ETPH	Completed			06/25/14	JJ/F	3545
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### TPH by GC (Extractable Products)

Ext. Petroleum HC	550	88	mg/Kg	06/26/14	JRB	CT ETPH/8015
Identification	**		mg/Kg	06/26/14	JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	93		%	06/26/14	JRB	50 - 150 %
-----------------	----	--	---	----------	-----	------------

### PCB (Soxhlet)

PCB-1016	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.72	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	94		%	06/16/14	AW	30 - 150 %
% TCMX	102		%	06/16/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

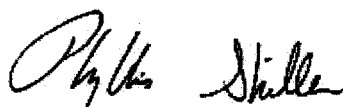
TPH Comment:

\*\*Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 30, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 30, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date Time

06/13/14 0:00  
06/13/14 12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59061

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-10A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	45		%	06/13/14	I	E160.3
Extraction of CT ETPH	Completed			06/25/14	JJ/F	3545
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	110	mg/Kg	06/26/14	JRB	CT ETPH/8015
Identification	ND		mg/Kg	06/26/14	JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	71		%	06/26/14	JRB	50 - 150 %
-----------------	----	--	---	----------	-----	------------

### PCB (Soxhlet)

PCB-1016	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.53	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	85		%	06/16/14	AW	30 - 150 %
% TCMX	89		%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-10A

Phoenix I.D.: BG59061

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 30, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

June 30, 2014

### QA/QC Data

SDG I.D.: GBG59052

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277011, QC Sample No: BG59058 (BG59052, BG59053, BG59054, BG59055, BG59056, BG59057, BG59058, BG59059, BG59060, BG59061)									
<b>Polychlorinated Biphenyls - Soil</b>									
PCB-1016	ND	89	93	4.4	93	97	4.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	92	93	1.1	101	105	3.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	120	111	113	1.8	107	110	2.8	30 - 150	30
% TCMX (Surrogate Rec)	105	104	106	1.9	111	113	1.8	30 - 150	30
QA/QC Batch 278060, QC Sample No: BG64917 (BG59052, BG59055, BG59058, BG59061)									
<b>TPH by GC (Extractable Products) - Soil</b>									
Ext. Petroleum HC	ND	70	69	1.4	75	69	8.3	60 - 120	30
% n-Pentacosane	78	75	78	3.9	83	76	8.8	50 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
June 30, 2014

Monday, June 30, 2014

Criteria: None

State: CT

SampNo Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL

Analysis  
Units

Page 1 of 1

## Sample Criteria Exceedences Report

### GBG59052 - FOENVIRPCB

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG59052, BG59053, BG59054, BG59055, BG59056, BG59057, BG59058, BG59059, BG59060, BG59061

**Sampling Date(s):** 6/13/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☒ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☒ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Monday, June 30, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

June 30, 2014

SDG I.D.: GBG59052

---

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated.

### ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-fid1 06/26/14-1 (BG59058)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 6/26/2014

**Instrument:** Au-fid84 06/26/14-1 (BG59052, BG59058)

Initial Calibration (FID84 - ETPH\_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: none

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 6/26/2014

**Instrument:** Au-xl1 06/26/14-1 (BG59055, BG59061)

Initial Calibration (FIDXL1 ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 6/26/2014



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

June 30, 2014

SDG I.D.: GBG59052

---

### QC (Batch Specific)

----- Sample No: BG64917, QA/QC Batch: 278060 -----

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 06/16/14-1 (BG59057, BG59058, BG59059, BG59060, BG59061)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014

**Instrument:** Au-ecd3 06/16/14-1 (BG59052, BG59053, BG59054, BG59055, BG59056)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014

**Instrument:** Au-ecd48 06/16/14-1 (BG59058)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**June 30, 2014**

**SDG I.D.: GBG59052**

---

### **QC (Site Specific)**

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### **Temperature Narration**

The samples were received at 15C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)



GBG 59052

## Shannon - Phoenixlabs

**From:** Bobbi - Phoenixlabs [bobbi@phoenixlabs.com]

**Sent:** Wednesday, June 25, 2014 05:24 PM

**To:** 'Shannon - Phoenixlabs'

**Subject:** FW: Additional analyses request

Can you help me?

**Bobbi Aloisa**

**Vice President**

**Director of Client Services**

**Phoenix Environmental Laboratories**

**587 East Middle Turnpike**

**Manchester, CT 06040**

**Ph: 860-645-8728**

---

**From:** Kathleen Pane [mailto:KPane@fando.com]

**Sent:** Wednesday, June 25, 2014 5:13 PM

**To:** Bobbi - Phoenixlabs (bobbi@phoenixlabs.com)

**Subject:** Additional analyses request

Hi Bobbi! Hope all is well. Wanted to request additional analyses on samples that are already at your facility:

1. Bruce Gregoire just brought in sample 062514-BG-01. Please also analyze for ETPH, TCLP and Total RCRA 8 metals, VOCs (8270), Total Pesticides and Herbicides, Conductivity, Paint Filter, Ignitability, pH, reactivity
2. SDG ID: GBG60811/Phoenix ID: BG60811-Sample IDs: 061814-BG-1A, 2A, 3A and 4A, please analyze for PAHs (EPA 8270)
3. SDG ID: GBG59052/Phoenix ID: BG59054. Sample IDs: 061314BG-1A, 4A, 7A and 10A please analyze further for ETPH.

**Kathleen Pane**

**Project Manager**

Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040

860.646.2469 x5585 | [kpane@fando.com](mailto:kpane@fando.com) | fax: 860.649.6883 | cell: 860.510.9290

[www.fando.com](http://www.fando.com) | [twitter](#) | [facebook](#) | [linkedin](#)

 Fuss and O'Neill

This e-mail message and any files transmitted with it are the exclusive intellectual property of Fuss & O'Neill. This message and any attached files may be privileged and confidential. If you have received this message in error, please delete this e-mail and attached files and immediately notify Fuss & O'Neill by sending a reply e-mail to the sender of this message. Thank you.

6/25/2014



Transformer Vault  
Soils - ETPH  
#2

Friday, July 11, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG71178 - BG71185

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

07/09/14  
07/09/14

### Time

12:00  
14:25

## Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71178

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-2A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	60	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	74		%	07/10/14	KCA	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date Time

07/09/14 12:10  
07/09/14 14:25

### Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71179

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-3A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	58	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	83		%	07/10/14	KCA	50 - 150 %

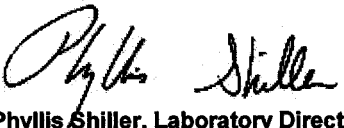
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

  
Phyllis Shiller, Laboratory Director  
July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

07/09/14  
07/09/14

### Time

12:15  
14:25

### Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71180

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-5A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545

### TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	57	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	80		%	07/10/14	KCA	50 - 150 %
-----------------	----	--	---	----------	-----	------------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

Time

07/09/14 12:20  
07/09/14 14:25

Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71181

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-6A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	62	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	76		%	07/10/14	KCA	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

07/09/14

### Time

12:40

07/09/14

14:25

## Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71182

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-7B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	73		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545

### TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	68	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	86		%	07/10/14	KCA	50 - 150 %
-----------------	----	--	---	----------	-----	------------

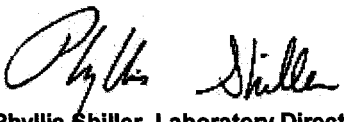
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

  
Phyllis Shiller, Laboratory Director  
July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

Time

07/09/14 12:45  
07/09/14 14:25

Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71183

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-7D

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	62	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	81		%	07/10/14	KCA	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

**Sample Information**

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

**Custody Information**

Collected by:  
Received by: LB  
Analyzed by: see "By" below

**Date**

07/09/14 12:29  
07/09/14 14:25

**Time**

**Laboratory Data**

SDG ID: GBG71178  
Phoenix ID: BG71184

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-8A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	55	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	83		%	07/10/14	KCA	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

Time

07/09/14 12:35  
07/09/14 14:25

Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71185

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-9A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	160	60	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	**		mg/Kg	07/10/14	KCA	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	107		%	07/10/14	KCA	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

TPH Comment:

\*\*Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C16 to C36 range. The sample was quantitated against a C9-C36 standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

July 11, 2014

### QA/QC Data

SDG I.D.: GBG71178

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 279260, QC Sample No: BG71012 (BG71178, BG71179, BG71180, BG71181, BG71182, BG71183, BG71184, BG71185)									
<b>TPH by GC (Extractable Products) - Soil</b>									
Ext. Petroleum HC	ND	81	80	1.2				60 - 120	30
% n-Pentacosane	73	77	86	11.0				50 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director  
July 11, 2014

Friday, July 11, 2014

Criteria: None

State: CT

SampNo    Acode    Phoenix Analyte

\*\*\* No Data to Display \*\*\*

## Sample Criteria Exceedences Report

### GBG71178 - FOENVIR

Page 1 of 1

RL    Analysis  
Criteria    Units

RL

Result

Criteria

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG71178, BG71179, BG71180, BG71181, BG71182, BG71183, BG71184, BG71185

**Sampling Date(s):** 7/9/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☐ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☒ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

**I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.**

Authorized  
Signature:

*Ethan Lee*

Date: Friday, July 11, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

July 11, 2014

SDG I.D.: GBG71178

---

### ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-xl1 07/09/14-1 (BG71182, BG71184, BG71185)

Initial Calibration (FIDXL1 ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** Keith Aloisa  
**Position:** Chemist  
**Date:** 7/9/2014

**Instrument:** Au-xl2 07/09/14-1 (BG71178, BG71179, BG71180, BG71181, BG71183)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** Keith Aloisa  
**Position:** Chemist  
**Date:** 7/9/2014

### **QC (Batch Specific)**

----- Sample No: BG71012, QA/QC Batch: 279260 -----

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples were received at 4C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**July 11, 2014**

**SDG I.D.: GBG71178**





Transformer vault  
closure testing after  
ETPH-impacted soils  
excavated

Friday, July 25, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG79139 - BG79140, BG79201

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 25, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date Time

07/22/14 0:00  
07/22/14 14:23

### Laboratory Data

SDG ID: GBG79139  
Phoenix ID: BG79139

Project ID: DISCOVERY ACADEMY  
Client ID: 072214-BG-W7C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	07/22/14	I	E160.3
Extraction of CT ETPH	Completed			07/22/14	BJ/H	3545

### TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	61	mg/Kg	07/22/14	JRB	CT ETPH/8015
Identification	ND		mg/Kg	07/22/14	JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	81		%	07/22/14	JRB	50 - 150 %
-----------------	----	--	---	----------	-----	------------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 25, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date Time

07/22/14 0:00  
07/22/14 14:23

### Laboratory Data

SDG ID: GBG79139  
Phoenix ID: BG79140

Project ID: DISCOVERY ACADEMY  
Client ID: 072214-BG-SC

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/22/14	I	E160.3
Extraction of CT ETPH	Completed			07/22/14	BJ/H	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	59	mg/Kg	07/23/14	JRB	CT ETPH/8015
Identification	ND		mg/Kg	07/23/14	JRB	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	86		%	07/23/14	JRB	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 25, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

### Time

07/22/14 0:00  
07/22/14 14:23

### Laboratory Data

SDG ID: GBG79139  
Phoenix ID: BG79201

Project ID: DISCOVERY ACADEMY  
Client ID: 072214-BG-E9C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	07/22/14	I	E160.3
Extraction of CT ETPH	Completed			07/22/14	BJ/H	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	61	mg/Kg	07/22/14	JRB	CT ETPH/8015
Identification	ND		mg/Kg	07/22/14	JRB	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	85		%	07/22/14	JRB	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

July 25, 2014

### QA/QC Data

SDG I.D.: GBG79139

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 280625, QC Sample No: BG78357 (BG79139, BG79140, BG79201)									
<b><u>TPH by GC (Extractable Products) - Soil</u></b>									
Ext. Petroleum HC	ND	75	70	6.9	64	71	10.4	60 - 120	30
% n-Pentacosane	95	80	75	6.5	74	88	17.3	50 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director  
July 25, 2014

Friday, July 25, 2014

Criteria: None

State: CT

SampNo Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL  
Criteria

Analysis  
Units

## Sample Criteria Exceedences Report

### GBG79139 - FOENVIR

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG79139, BG79140, BG79201

**Sampling Date(s):** 7/22/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☐ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☒ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Friday, July 25, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

July 25, 2014

SDG I.D.: GBG79139

---

The samples were received by the laboratory at a temperature of 7 degrees C with cooling initiated. No significant bias is suspected.

### ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Aufid-d1 07/23/14-1 (BG79140)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 7/23/2014

**Instrument:** Au-xl2 07/22/14-2 (BG79139, BG79201)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 7/22/2014

### **QC (Batch Specific)**

----- Sample No: BG78357, QA/QC Batch: 280625 -----

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples in this delivery group were received at 7°C.  
(Note acceptance criteria is above freezing up to 6°C)



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**July 25, 2014**

**SDG I.D.: GBG79139**



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FusO.com

- ☒ 146 Hartford Road, Manchester, CT 06040  
☐ 56 Quarry Road, Trumbull, CT 06611  
☐ 1419 Richland Street, Columbia, SC 29201  
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD 1399

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Discovery Academy 176 Cumberland Ave, Wethersfield, CT

20110979.AZE

Phoenix

REPORT TO:

Kathleen Pans

INVOICE TO:

Sarah Owens

P.O. NO.:

20110979.AZE

Sampler's Signature:

*[Signature]*

Date: 7-22-14

Source Codes:

MW=Monitoring Well PW=Potable Water S=Soil W=Waste  
SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other

Transfer Check

1 2 3 4

Item No.

1 2 3 4

Sample Number

Source Code

Date Sampled

Time Sampled

1

072214-BG-W7C

S

7-22-14

2

-87ESC

S

3

-S8C

S

4

-S9C

S

5

-E9C

S

ETH

Analysis Request

Containers

Soil VOA Val. [ ] methanol

Glass Soil Container ( ) or

Water VOA Val. [ ] As is [ ] HCl

Plastic - As is [ ] 250 ml [ ] 500 ml [ ] 1000 ml

Plastic - HNO<sub>3</sub> [ ] 250 ml [ ] 500 ml [ ] 1000 ml

Plastic - NaOH, 250 ml [ ] Undiluted

Comments

79139

79140

86

86

79201

Transfer Number

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

1

*[Signature]*

TU000000

7/22/14

11:23

Additional Comments

2-4" Composite Samples From Transformer Vault Perimeter. No Samples Taken within Transformer Vault 7, 8, 9 Excavated To Ledger. North Side excavated to ledger

XFM2 VWSH - ETPH  
0-4" Composite



Friday, July 25, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG79139 - BG79140, BG79201

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 25, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
07/22/14	0:00
07/22/14	14:23

### Laboratory Data

SDG ID: GBG79139  
Phoenix ID: BG79139

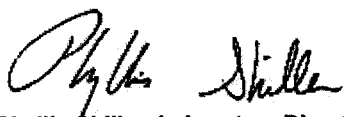
Project ID: DISCOVERY ACADEMY  
Client ID: 072214-BG-W7C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	81		%	07/22/14	I	E160.3
Extraction of CT ETPH	Completed			07/22/14	BJ/H	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	61	mg/Kg	07/22/14	JRB	CT ETPH/8015
Identification	ND		mg/Kg	07/22/14	JRB	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	81		%	07/22/14	JRB	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.

  
Phyllis Shiller, Laboratory Director  
July 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 25, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
07/22/14	0:00
07/22/14	14:23

### Laboratory Data

SDG ID: GBG79139  
Phoenix ID: BG79140

Project ID: DISCOVERY ACADEMY  
Client ID: 072214-BG-SC

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	07/22/14	I	E160.3
Extraction of CT ETPH	Completed			07/22/14	BJ/H	3545

### TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	59	mg/Kg	07/23/14	JRB	CT ETPH/8015
Identification	ND		mg/Kg	07/23/14	JRB	CT ETPH/8015

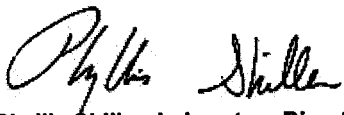
### QA/QC Surrogates

% n-Pentacosane	86		%	07/23/14	JRB	50 - 150 %
-----------------	----	--	---	----------	-----	------------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.

  
Phyllis Shiller, Laboratory Director  
July 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 25, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date Time

07/22/14 0:00  
07/22/14 14:23

### Laboratory Data

SDG ID: GBG79139  
Phoenix ID: BG79201

Project ID: DISCOVERY ACADEMY  
Client ID: 072214-BG-E9C

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	07/22/14	I	E160.3
Extraction of CT ETPH	Completed			07/22/14	BJ/H	3545

### TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	61	mg/Kg	07/22/14	JRB	CT ETPH/8015
Identification	ND		mg/Kg	07/22/14	JRB	CT ETPH/8015

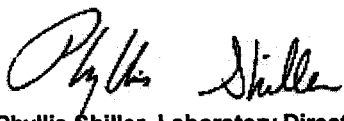
### QA/QC Surrogates

% n-Pentacosane	85		%	07/22/14	JRB	50 - 150 %
-----------------	----	--	---	----------	-----	------------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

July 25, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

July 25, 2014

### QA/QC Data

SDG I.D.: GBG79139

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 280625, QC Sample No: BG78357 (BG79139, BG79140, BG79201)									
<b>TPH by GC (Extractable Products) - Soil</b>									
Ext. Petroleum HC	ND	75	70	6.9	64	71	10.4	60 - 120	30
% n-Pentacosane	95	80	75	6.5	74	88	17.3	50 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

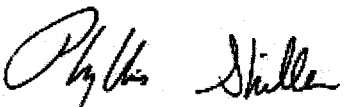
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
July 25, 2014

Friday, July 25, 2014

Criteria: None

State: CT

SampNo    Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL    Analysis  
Criteria    Units

Page 1 of 1

## Sample Criteria Exceedences Report

GBG79139 - FOENVIR

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG79139, BG79140, BG79201

**Sampling Date(s):** 7/22/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☐ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☒ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Friday, July 25, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

July 25, 2014

SDG I.D.: GBG79139

---

The samples were received by the laboratory at a temperature of 7 degrees C with cooling initiated. No significant bias is suspected.

### ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Aufid-d1 07/23/14-1 (BG79140)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 7/23/2014

**Instrument:** Au-x12 07/22/14-2 (BG79139, BG79201)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 7/22/2014

### QC (Batch Specific)

----- Sample No: BG78357, QA/QC Batch: 280625 -----

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples in this delivery group were received at 7°C.  
(Note acceptance criteria is above freezing up to 6°C)



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**July 25, 2014**

**SDG I.D.: GBG79139**



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

- ☒ 146 Hartford Road, Manchester, CT 06040  
☐ 56 Quarry Road, Trumbull, CT 06611  
☐ 1419 Richland Street, Columbia, SC 29201  
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD 1399

☒ 1 Day\* ☐ 3 Days\* ☐ Other \_\_\_\_\_ (days)  
☐ 2 Days\* ☐ Standard \_\_\_\_\_ (days) \*Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Discovery Academy 176 Cumberland Ave, Wethersfield, CT

20110979-AZE

Phoenix

REPORT TO:

Kathleen Paine

Analysis Request

INVOICE TO:

Sarah Owens

P.O. No.:

20110979-AZE

Sampler's Signature:

*[Signature]*

Date: 7-22-14

Source Codes:

MW=Monitoring Well

SW=Surface Water

PW=Potable Water

T=Treatment Facility

S=Soil

B=Sediment

W=Waste

A=Air

X=Other

Transfer Check

1 2 3 4

Item No.

Time Sampled

Date Sampled

Source Code

Sample Number

Comments

79139

79140

86

86

79201

Transfer Number

Relinquished By

Accepted By

Date

Time

Reporting and Detection Limit Requirements:

1

2

3

4

*[Signature]*

TULLOCH

7/22/14

11:23

Additional Comments:

2-yr Composite Samples from Transformer Vault Perimeter. No Samples Taken within Transformer Vault 7, 8, 9 Excavated To Ledger. North Side excavated to ledger

A20 Task 1

Discerny - former  
hazmat storage tank

parts under 4' clean

**NOTE:**  
DIMENSIONS, LOCATIONS, AND DEPICTIONS  
HEREIN ARE APPROXIMATE.

**LEGEND**  
 ● CONCRETE CHIP SAMPLE LOCATION  
 (COLLECTED BY FNO ON 08/04/2013)  
 ■ HWSS-01  
 ■ HWSS-02  
 ■ HWSS-03  
 ● HWSS-01  
 (COLLECTED BY FNO ON 11/14/2013)

LT90 HAZARDOUS WASTE STORAGE ROOM  
 15'-1" X 10'-0"  
 151 SF ±

APPROXIMATE AREA  
 OF STAINING ON FORMER  
 CONCRETE SLAB

sample 7B  
 4-8

1 2 3 4 5 6 7 8 9 10

HWSS-01 HWSS-02 HWSS-03

**DIMENSIONS, LOCATIONS, AND DEPICTIONS  
HEREIN ARE APPROXIMATE.**

WILLIAM HENRY HARRIS  
HARRIS' CHAPTER OF AMERICAN ARMY, P.O. BOXED "1000000"  
NEW YORK, N.Y. 1000000, THE CHAIRMAN OF THE AMERICAN ARMY  
1000000, NEW YORK, N.Y. 1000000, THE CHAIRMAN OF THE AMERICAN ARMY  
1000000, NEW YORK, N.Y. 1000000, THE CHAIRMAN OF THE AMERICAN ARMY

CONCRETE CIP SAMPLE LOCATION  
(CHECK/NO CHECK ON ONLY IF APPLICABLE)  
NO. 107 STATION AND ELEVATION

10-SSN-  
SOIL SAMPLE LOCATION  
(COLLECTED BY FBO ON 11/14/2013)

PROJ. No. 2011819 ASE  
DATE: 11/20/03

### FIGURE 3

## APPENDIX

LT90 HWSA CLOSURE PLAN  
SAMPLING LOCATION PLAN  
176 CUMBERLAND AVENUE

**GREENBERG**

**FUSS & O'NEILL**

IN WATKINS ROAD  
WATERBURY CONNECTICUT 06704

more frequent,

[illegible]

10

**1403 ENH**

157A

**NO. 12**

**VENZ.**

24

010-0100

**THIRD PAGES**

1





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

December 05, 2013

FOR: Attn: Ms Marilee Gonzalez  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

<u>Sample Information</u>	<u>Custody Information</u>	<u>Date</u>	<u>Time</u>
Matrix: SOIL	Collected by: SS	11/15/13	12:50
Location Code: F&O	Received by: SW	11/15/13	15:55
Rush Request: Standard	Analyzed by: see "By" below		
P.O.#: 20110979A3E			

**Laboratory Data** SDG ID: GBF77269  
Phoenix ID: BF77278

Project ID: 176 CUMBERLAND AVE  
Client ID: 1188131115-10

TVCS-01 (0-0.25')

Concrete Sample from  
Transformer Vault

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	11/15/13	I	E160.3
Soil Extraction for PCB	Completed			11/15/13	BB/V	SW3545
Extraction of CT ETPH	Completed			11/15/13	BS/VF	3545

### TPH by GC (Extractable Products)

Ext. Petroleum HC	16000	2600	mg/Kg	11/20/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	11/20/13	JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	Diluted Out		%	11/20/13	JRB	50 - 150 %
-----------------	-------------	--	---	----------	-----	------------

### Polychlorinated Biphenyls

PCB-1016	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1221	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1232	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1242	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1248	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1254	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1260	1500	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1262	ND	330	ug/Kg	11/16/13	AW	SW 8082
PCB-1268	ND	330	ug/Kg	11/16/13	AW	SW 8082

### QA/QC Surrogates

% DCBP	109		%	11/16/13	AW	30 - 150 %
% TCMX	91		%	11/16/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE  
Client ID: 1188131115-10

TVCS-01 (0-0.25')

Phoenix I.D.: BF77278

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

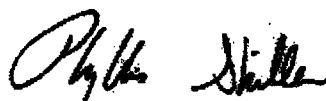
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

\*\*Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C28. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

December 05, 2013

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 845-1102 Fax (860) 845-0823

## Analysis Report

December 05, 2013

FOR: Attn: Ms Marilee Gonzalez  
Fuss & O'Neill, Inc.  
146 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&O  
Rush Request: Standard  
P.O.#: 20110979A3E

### Custody Information

Collected by: SS  
Received by: SW  
Analyzed by: see "By" below

Date	Time
11/15/13	11:05
11/15/13	15:55

### Laboratory Data

SDG ID: GBF77269  
Phoenix ID: BF77279

Project ID: 176 CUMBERLAND AVE  
Client ID: 1188131115-11

TVCS-02 (0-0.25')

*Concrete Sample from Transformer Vault*

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	97		%	11/15/13	I	E160.3
Soil Extraction for PCB	Completed			11/15/13	BB/V	SW3545
Extraction of CT ETPH	Completed			11/15/13	BS/VF	3545

### TPH by GC (Extractable Products)

Ext. Petroleum HC	16000	2600	mg/Kg	11/20/13	JRB	CT ETPH/8015
Identification	**		mg/Kg	11/20/13	JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	Diluted Out		%	11/20/13	JRB	50 - 150 %
-----------------	-------------	--	---	----------	-----	------------

### Polychlorinated Biphenyls

PCB-1016	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1221	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1232	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1242	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1248	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1254	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1260	1300	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1262	ND	340	ug/Kg	11/16/13	AW	SW 8082
PCB-1268	ND	340	ug/Kg	11/16/13	AW	SW 8082

### QA/QC Surrogates

% DCBP	104		%	11/16/13	AW	30 - 150 %
% TCMX	96		%	11/16/13	AW	30 - 150 %

Project ID: 176 CUMBERLAND AVE  
Client ID: 1188131115-11

TVCS-02 (0-0.25')

Phoenix I.D.: BF77279

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

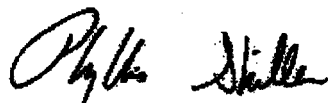
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

\*\*Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C28. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

December 05, 2013

Reviewed and Released by: Phyllis Shiller, Laboratory Director

South side transformer  
concrete ✓



Friday, May 23, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG46538 - BG46541

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

May 23, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&OENVIRPCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

05/13/14  
05/20/14

### Time

13:30  
15:05

## Laboratory Data

SDG ID: GBG46538  
Phoenix ID: BG46538

Project ID: DISCOVERY ACADEMY  
Client ID: 051314-BG-TV01A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	05/20/14	X	E160.3
Extraction for PCB	Completed			05/20/14	PP/W	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1221	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1232	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1242	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1248	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1254	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1260	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1262	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1268	ND	0.61	mg/kg	05/21/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	76	%	05/21/14	AW	30 - 150 %
% TCMX	88	%	05/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 051314-BG-TV01A

Phoenix I.D.: BG46538

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

May 23, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&OENVIRPCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

05/13/14  
05/20/14

### Time

13:45  
15:05

## Laboratory Data

SDG ID: GBG46538  
Phoenix ID: BG46539

Project ID: DISCOVERY ACADEMY  
Client ID: 051314-BG-TV02A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	05/20/14	X	E160.3
Extraction for PCB	Completed			05/20/14	PP/W	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	05/21/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	74	%	05/21/14	AW	30 - 150 %
% TCMX	97	%	05/21/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 051314-BG-TV02A

Phoenix I.D.: BG46539

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

May 23, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&OENVIRPCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

05/13/14      13:55  
05/20/14      15:05

### Laboratory Data

SDG ID: GBG46538  
Phoenix ID: BG46540

Project ID: DISCOVERY ACADEMY  
Client ID: 051314-BG-TV03A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	05/20/14	X	E160.3
Extraction for PCB	Completed			05/20/14	PPW	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1221	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1232	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1242	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1248	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1254	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1260	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1262	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1268	ND	0.71	mg/kg	05/21/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	75	%	05/21/14	AW	30 - 150 %
% TCMX	90	%	05/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 051314-BG-TV03A

Phoenix I.D.: BG46540

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

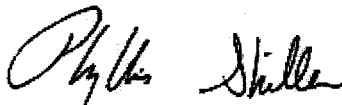
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

May 23, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&OENVIRPCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/13/14	14:05
05/20/14	15:05

### Laboratory Data

SDG ID: GBG46538  
Phoenix ID: BG46541

Project ID: DISCOVERY ACADEMY  
Client ID: 051314-BG-TV04A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	05/20/14	X	E160.3
Extraction for PCB	Completed			05/20/14	PP/W	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1221	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1232	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1242	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1248	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1254	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1260	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1262	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1268	ND	0.69	mg/kg	05/21/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	75	%	05/21/14	AW	30 - 150 %
% TCMX	95	%	05/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 051314-BG-TV04A

Phoenix I.D.: BG46541

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

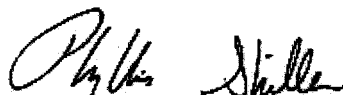
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

May 23, 2014

### QA/QC Data

SDG I.D.: GBG46538

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 274743, QC Sample No: BG46060 (BG46538, BG46539, BG46540, BG46541)									
<b>Polychlorinated Biphenyls - Solid</b>									
PCB-1016	ND	85	87	2.3	92	87	5.6	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	102	102	0.0	109	101	7.6	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	106	108	107	0.9	106	98	7.8	30 - 150	30
% TCMX (Surrogate Rec)	86	84	86	2.4	90	85	5.7	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

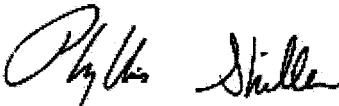
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
May 23, 2014

Friday, May 23, 2014

Criteria: None

State: CT

SampNo Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL  
Criteria

Analysis  
Units

## Sample Criteria Exceedences Report

GBG46538 - FOENVIRPCB

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG46538, BG46539, BG46540, BG46541

**Sampling Date(s):** 5/13/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☒ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☐ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Friday, May 23, 2014

Printed Name: Ethan Lee

Position: Project Manager





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

May 23, 2014

SDG I.D.: GBG46538

---

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd8 05/21/14-1 (BG46538, BG46539, BG46540, BG46541)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 5/21/2014

### QC (Batch Specific)

----- Sample No: BG46060, QA/QC Batch: 274743 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples were received at 3C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FundO.com

- ☒ 146 Hartford Road, Manchester, CT 06040  
☐ 56 Quarry Road, Trumbull, CT 06611  
☐ 1419 Richland Street, Columbia, SC 29201  
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD

1364

☐ 1 Day\* ☒ 3 Days\* ☐ Other \_\_\_\_\_ (days)  
☐ 2 Days\* ☐ Standard (\_\_\_\_ days) \*Surcharge Applies

### PROJECT NAME

### PROJECT LOCATION

### PROJECT NUMBER

### LABORATORY

Discovery Academy 176 Cumberland Ave, Wethersfield, CT 20110979.AZE

Phoenix

REPORT TO: Kathleen Payne

INVOICE TO: Sarah Owens

P.O. No.: 20110979.AZE

Sampler's Signature: *[Signature]* Date: 5-13-14

### Source Codes:

MW=Monitoring Well  
SW=Surface Water

PW=Potable Water  
T=Treatment Facility

S=Soil  
B=Sediment

W=Waste  
A=Air

X=Other Concrete

Analysis Request

Containers

EPA 8082/30X/HLET		Soil VOA Val. [ ] methanol		Glass Soil Container ( ) or		Water VOA Val. [ ] As is [ ] HCl		Glass Amber ( ) or		Plastic - As is [ ] As is [ ] HCl		Plastic - H <sub>2</sub> SO <sub>4</sub> [ ] 250 ml [ ] 500 ml [ ] 1000 ml		Plastic - HNO <sub>3</sub> [ ] 250 ml [ ] 500 ml [ ] 1000 ml		Plastic - NaOH, 250 ml [ ] 500 ml [ ] 1000 ml		Comments	
1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	46538	
2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	46539	
3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	46540	
4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	46541	

Transfer Number

Relinquished By

Accepted By

Date

Reporting and Detection Limit Requirements:

1

2

3

4

5/13/14 15:05

Additional Comments: main Building: South Side Transformer VwH



S-13

Main Building - South Side  
- Transformer Vault  
Concrete Floor

Friday, May 23, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG46538 - BG46541

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

May 23, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&OENVIRPCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

### Time

05/13/14 13:30  
05/20/14 15:05

## Laboratory Data

SDG ID: GBG46538  
Phoenix ID: BG46538

Project ID: DISCOVERY ACADEMY  
Client ID: 051314-BG-TV01A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	05/20/14	X	E160.3
Extraction for PCB	Completed			05/20/14	PPW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1221	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1232	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1242	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1248	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1254	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1260	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1262	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
PCB-1268	ND	0.61	mg/kg	05/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	76		%	05/21/14	AW	30 - 150 %
% TCMX	88		%	05/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 051314-BG-TV01A

Phoenix I.D.: BG46538

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

May 23, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&OENVIRPCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date Time

05/13/14 13:45  
05/20/14 15:05

## Laboratory Data

SDG ID: GBG46538  
Phoenix ID: BG46539

Project ID: DISCOVERY ACADEMY  
Client ID: 051314-BG-TV02A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	05/20/14	X	E160.3
Extraction for PCB	Completed			05/20/14	PP/W	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1221	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1232	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1242	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1248	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1254	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1260	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1262	ND	0.48	mg/kg	05/21/14	AW	3540C/8082
PCB-1268	ND	0.48	mg/kg	05/21/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	74	%	05/21/14	AW	30 - 150 %
% TCMX	97	%	05/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 051314-BG-TV02A

Phoenix I.D.: BG46539

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level


**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

May 23, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&OENVIRPCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

05/13/14 13:55  
05/20/14 15:05

### Time

## Laboratory Data

SDG ID: GBG46538  
Phoenix ID: BG46540

Project ID: DISCOVERY ACADEMY  
Client ID: 051314-BG-TV03A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	05/20/14	X	E160.3
Extraction for PCB	Completed			05/20/14	PP/W	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1221	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1232	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1242	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1248	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1254	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1260	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1262	ND	0.71	mg/kg	05/21/14	AW	3540C/8082
PCB-1268	ND	0.71	mg/kg	05/21/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	75	%	05/21/14	AW	30 - 150 %
% TCMX	90	%	05/21/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 051314-BG-TV03A

Phoenix I.D.: BG46540

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

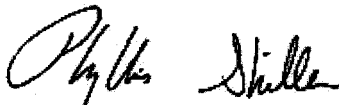
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

May 23, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOLID  
Location Code: F&OENVIRPCB  
Rush Request: 72 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

05/13/14      14:05  
05/20/14      15:05

### Laboratory Data

SDG ID: GBG46538  
Phoenix ID: BG46541

Project ID: DISCOVERY ACADEMY  
Client ID: 051314-BG-TV04A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	100		%	05/20/14	X	E160.3
Extraction for PCB	Completed			05/20/14	PPW	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1221	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1232	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1242	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1248	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1254	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1260	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1262	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
PCB-1268	ND	0.69	mg/kg	05/21/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	75		%	05/21/14	AW	30 - 150 %
% TCMX	95		%	05/21/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 051314-BG-TV04A

Phoenix I.D.: BG46541

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

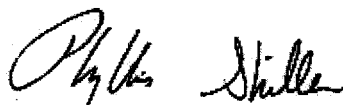
**Comments:**

100% Solid Assumed

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 23, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

May 23, 2014

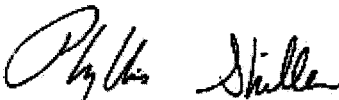
### QA/QC Data

SDG I.D.: GBG46538

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 274743, QC Sample No: BG46060 (BG46538, BG46539, BG46540, BG46541)									
<b>Polychlorinated Biphenyls - Solid</b>									
PCB-1016	ND	85	87	2.3	92	87	5.6	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	102	102	0.0	109	101	7.6	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	106	108	107	0.9	106	98	7.8	30 - 150	30
% TCMX (Surrogate Rec)	86	84	86	2.4	90	85	5.7	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria  
Intf - Interference

  
Phyllis Shiller, Laboratory Director  
May 23, 2014

Friday, May 23, 2014

Criteria: None

State: CT

SampNo    Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL    Analysis  
Criteria    Units

## Sample Criteria Exceedences Report

GBG46538 - FOENVIRPCB

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG46538, BG46539, BG46540, BG46541

**Sampling Date(s):** 5/13/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☒ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☐ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11:3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:



Date: Friday, May 23, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**May 23, 2014**

**SDG I.D.: GBG46538**

---

### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd8 05/21/14-1 (BG46538, BG46539, BG46540, BG46541)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 5/21/2014

### **QC (Batch Specific)**

----- Sample No: BG46060, QA/QC Batch: 274743 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### **Temperature Narration**

The samples were received at 3C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)







transformer-soil ✓  
4-8" PCB  
0-4 NP, not sure  
why analyzed

Wednesday, June 18, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG59062 - BG59071

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59062

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-1B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	76		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.63	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	95	%	06/16/14	AW	30 - 150 %
% TCMX	102	%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

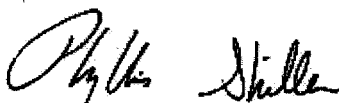
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
06/13/14	0:00
06/13/14	12:23

### Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59063

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-2B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	109		%	06/16/14	AW	30 - 150 %
% TCMX	102		%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Phoenix I.D.: BG59063

Client ID: 061314-BG-2B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

06/13/14      0:00  
06/13/14      12:23

### Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59064

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-3B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	110		%	06/16/14	AW	30 - 150 %
% TCMX	105		%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-3B

Phoenix I.D.: BG59064

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59065

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-4B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	116		%	06/16/14	AW	30 - 150 %
% TCMX	109		%	06/16/14	AW	30 - 150 %



Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

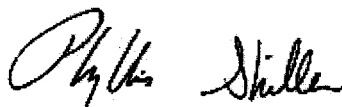
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59066

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-5B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	110	%	06/16/14	AW	30 - 150 %
% TCMX	95	%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------


RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59067

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-6B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	73		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.66	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	94	%	06/16/14	AW	30 - 150 %
% TCMX	90	%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

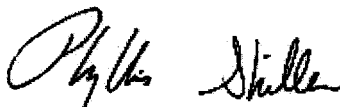
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59068

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-7B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	50		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	103		%	06/16/14	AW	30 - 150 %
% TCMX	95		%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date Time

06/13/14 0:00  
06/13/14 12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59069

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-8B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	68		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.73	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	96	%	06/16/14	AW	30 - 150 %
% TCMX	96	%	06/16/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-8B

Phoenix I.D.: BG59069

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59070

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-9B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	98		%	06/16/14	AW	30 - 150 %
% TCMX	94		%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-9B

Phoenix I.D.: BG59070

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

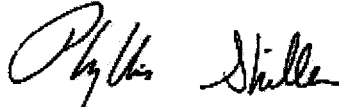
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
06/13/14	0:00
06/13/14	12:23

### Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59071

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-10B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	77		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	99		%	06/16/14	AW	30 - 150 %
% TCMX	98		%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-10B

Phoenix I.D.: BG59071

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

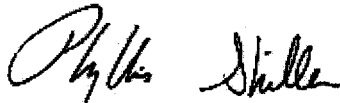
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

June 18, 2014

### QA/QC Data

SDG I.D.: GBG59062

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277011, QC Sample No: BG59058 (BG59062, BG59063, BG59064, BG59065, BG59066, BG59067, BG59068, BG59069, BG59070, BG59071)									
<b>Polychlorinated Biphenyls - Soil</b>									
PCB-1016	ND	89	93	4.4	93	97	4.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	92	93	1.1	101	105	3.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	120	111	113	1.8	107	110	2.8	30 - 150	30
% TCMX (Surrogate Rec)	105	104	106	1.9	111	113	1.8	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
June 18, 2014

Wednesday, June 18, 2014

Criteria: None

State: CT

SampNo    Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL  
Criteria

Analysis  
Units

## Sample Criteria Exceedences Report

### GBG59062 - FOENVIRPCB

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG59062, BG59063, BG59064, BG59065, BG59066, BG59067, BG59068, BG59069, BG59070, BG59071

**Sampling Date(s):** 6/13/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☒ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☐ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Wednesday, June 18, 2014

Printed Name: Ethan Lee

Position: Project Manager





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

June 18, 2014

SDG I.D.: GBG59062

---

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated. No significant bias is suspected.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd24 06/16/14-1 (BG59067, BG59068, BG59069, BG59070, BG59071)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014

**Instrument:** Au-ecd5 06/16/14-1 (BG59062, BG59063, BG59064, BG59065, BG59066)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014

### QC (Batch Specific)

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples were received at 15C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**June 18, 2014**

**SDG I.D.: GBG59062**



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

- ☒ 146 Hartford Road, Manchester, CT 06040  
☐ 56 Quarry Road, Trumbull, CT 06611  
☐ 1419 Richland Street, Columbia, SC 29201  
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD

1395

☒ 1 Day\* ☐ 2 Days\* ☐ Standard (\_\_\_ days) ☐ Other (\_\_\_ days)  
\*Surcharge Applies

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Discovery Academy 176 Cumberland Ave Wethersfield, CT 20110979.AZE Phoenix

REPORT TO:

Kathleen Pinc

INVOICE TO:

Suriah Owens

P.O. No.:

20110979.AZE

Sampler's Signature:

AZ

Date:

6/13/14

Source Codes:

PW=Potable Water S=Soil W=Waste  
MW=Monitoring Well T=Treatment Facility B=Sediment A=Air  
SW=Surface Water

X=Other

Analysis Request

EPA 8082/50X/17

Containers

Item No.	Transfer Check	1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled	Comments
1						061314-B1r-1B	S	6/13/14		59062
2						-2B	S			59063
3						-3B	S			59064
4						-4B	S			59065
5						-5B	S			59066
6						-6B	S			59067
7						-7B	S			59068
8						-8B	S			59069
9						-9B	S			59070
10						-10B	S			59071

Transfer Number

Relinquished By

Accepted By

Date

Reporting and Detection Limit Requirements:

1

2

3

4

AZ

AZ

6/13/14

Time

Additional Comments:

Main Building - South Side  
Trans Former Awl 4-8"

transformer - soil 0-4" ✓



Wednesday, June 18, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG59052 - BG59061

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

06/13/14      0:00  
06/13/14      12:23

### Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59052

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-1A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	75		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	93	%	06/16/14	AW	30 - 150 %
% TCMX	101	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-1A

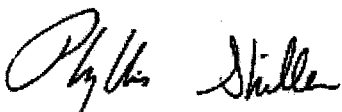
Phoenix I.D.: BG59052

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

06/13/14      0:00  
06/13/14      12:23

### Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59053

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-2A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	109	%	06/16/14	AW	30 - 150 %
% TCMX	102	%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

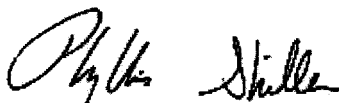
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59054

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-3A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	113	%	06/16/14	AW	30 - 150 %
% TCMX	106	%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

06/13/14      0:00  
06/13/14      12:23

### Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59055

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-4A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	115		%	06/16/14	AW	30 - 150 %
% TCMX	108		%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

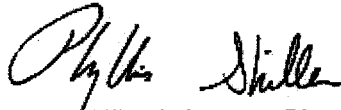
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

06/13/14      0:00  
06/13/14      12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59056

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-5A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	77		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	112	%	06/16/14	AW	30 - 150 %
% TCMX	103	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-5A

Phoenix I.D.: BG59056

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

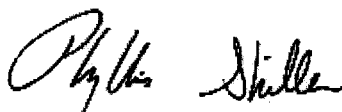
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59057

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-6A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	63		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.53	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	110	%	06/16/14	AW	30 - 150 %
% TCMX	108	%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

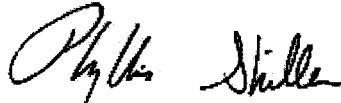
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59058

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-7A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	56		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	94		%	06/16/14	AW	30 - 150 %
% TCMX	102		%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

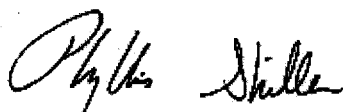
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
06/13/14	0:00
06/13/14	12:23

### Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59059

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-8A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	58		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	95		%	06/16/14	AW	30 - 150 %
% TCMX	98		%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

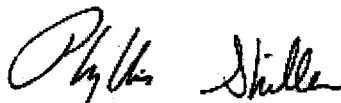
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date Time

06/13/14 0:00  
06/13/14 12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59060

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-9A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	35		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	82		%	06/16/14	AW	30 - 150 %
% TCMX	82		%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

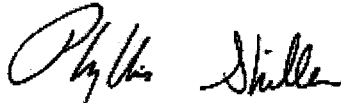
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
06/13/14	0:00
06/13/14	12:23

### Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59061

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-10A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	45		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	85		%	06/16/14	AW	30 - 150 %
% TCMX	89		%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

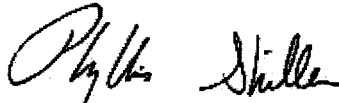
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager





**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045

Tel. (860) 645-1102

Fax (860) 645-0823

**QA/QC Report**

June 18, 2014

**QA/QC Data**

SDG I.D.: GBG59052

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277011, QC Sample No: BG59058 (BG59052, BG59053, BG59054, BG59055, BG59056, BG59057, BG59058, BG59059, BG59060, BG59061)									
<b><u>Polychlorinated Biphenyls - Soil</u></b>									
PCB-1016	ND	89	93	4.4	93	97	4.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	92	93	1.1	101	105	3.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	120	111	113	1.8	107	110	2.8	30 - 150	30
% TCMX (Surrogate Rec)	105	104	106	1.9	111	113	1.8	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

June 18, 2014

Wednesday, June 18, 2014

Criteria: None

State: CT

SampNo    Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL    Analysis  
Criteria    Units

Page 1 of 1

## Sample Criteria Exceedences Report

GBG59052 - FOENVIRPCB

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG59052, BG59053, BG59054, BG59055, BG59056, BG59057, BG59058, BG59059, BG59060, BG59061

**Sampling Date(s):** 6/13/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☒ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☐ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:



Date: Wednesday, June 18, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

June 18, 2014

SDG I.D.: GBG59052

---

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated. No significant bias is suspected.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 06/16/14-1 (BG59057, BG59058, BG59059, BG59060, BG59061)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014

**Instrument:** Au-ecd3 06/16/14-1 (BG59052, BG59053, BG59054, BG59055, BG59056)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014

**Instrument:** Au-ecd48 06/16/14-1 (BG59058)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**June 18, 2014**

**SDG I.D.: GBG59052**

---

### **QC (Site Specific)**

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### **Temperature Narration**

The samples were received at 15C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)



FUSS & O'NEILL ENVIROSCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

- ☒ 146 Hartford Road, Manchester, CT 06040  
☐ 56 Quarry Road, Trumbull, CT 06611  
☐ 1419 Richland Street, Columbia, SC 29201  
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD 1394

1500W 16

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Discovery Academy 176 Cumberland Ave Wethersfield, CT 20110979.AZE

Phoenix

REPORT TO:

Kathleen Paine

INVOICE TO:

South Owens

P.O. No.:

20110979.AZE

Sampler's Signature:

*[Signature]*

Date: 6/13/14

Source Codes:

PW=Potable Water S=Soil W=Waste

SW=Surface Water T=Treatment Facility B=Sediment A=Air

X=Other

Transfer Check 1 2 3 4

Item No.

Sample Number

Date Sampled

Source Code

Time Sampled

Comments

Plastic - NaOH, 250 ml

Plastic - HNO<sub>3</sub>, 250 ml

Plastic - H<sub>2</sub>SO<sub>4</sub>, 250 ml

Plastic - As is, 250 ml

Glass Amber, 250 ml

Water VOA Val, 250 ml

Other: ( ) or ( )

Glass Soil Container ( ) or ( )

Glass VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Soil VOA Val, 250 ml

Transfer Number

Relinquished By

Accepted By

Date

Reporting and Detection Limit Requirements:

1

2

3

4

Additional Comments:

Main Building - South Side  
Transformer Vault 0-4"

6-13



main Building - South  
Transformer Vault  
- Soil under Slab  
0-4"

Wednesday, June 18, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG59052 - BG59061

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

06/13/14      0:00  
06/13/14      12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59052

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-1A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	75		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	93		%	06/16/14	AW	30 - 150 %
% TCMX	101		%	06/16/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-1A

Phoenix I.D.: BG59052

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

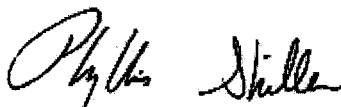
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

Date

Time

06/13/14 0:00  
06/13/14 12:23

Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59053

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-2A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

PCB (Soxhlet)

PCB-1016	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	06/16/14	AW	3540C/8082

QA/QC Surrogates

% DCBP	109	%	06/16/14	AW	30 - 150 %
% TCMX	102	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-2A

Phoenix I.D.: BG59053

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

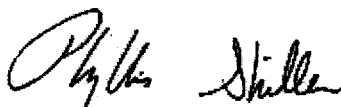
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

### Time

06/13/14 0:00  
06/13/14 12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59054

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-3A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	113	%	06/16/14	AW	30 - 150 %
% TCMX	106	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-3A

Phoenix I.D.: BG59054

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59055

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-4A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	115	%	06/16/14	AW	30 - 150 %
% TCMX	108	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-4A

Phoenix I.D.: BG59055

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59056

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-5A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	77		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.42	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.42	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	112	%	06/16/14	AW	30 - 150 %
% TCMX	103	%	06/16/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-5A

Phoenix I.D.: BG59056

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
06/13/14	0:00
06/13/14	12:23

### Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59057

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-6A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	63		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.53	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	110	%	06/16/14	AW	30 - 150 %
% TCMX	108	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-6A

Phoenix I.D.: BG59057

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

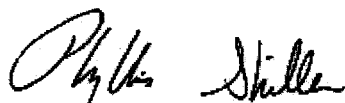
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

06/13/14      0:00  
06/13/14      12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59058

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-7A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	56		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.72	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	94	%	06/16/14	AW	30 - 150 %
% TCMX	102	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-7A

Phoenix I.D.: BG59058

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

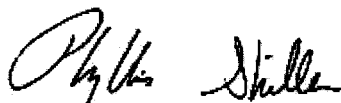
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

### Time

06/13/14 0:00  
06/13/14 12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59059

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-8A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	58		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.69	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	95	%	06/16/14	AW	30 - 150 %
% TCMX	98	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-8A

Phoenix I.D.: BG59059

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

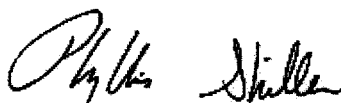
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59060

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-9A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	35		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.69	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.69	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	82	%	06/16/14	AW	30 - 150 %
% TCMX	82	%	06/16/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-9A

Phoenix I.D.: BG59060

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms., Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

06/13/14      0:00  
06/13/14      12:23

### Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59061

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-10A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	45		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.53	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	85	%	06/16/14	AW	30 - 150 %
% TCMX	89	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-10A

Phoenix I.D.: BG59061

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

June 18, 2014

### QA/QC Data

SDG I.D.: GBG59052

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277011, QC Sample No: BG59058 (BG59052, BG59053, BG59054, BG59055, BG59056, BG59057, BG59058, BG59059, BG59060, BG59061)									
<b>Polychlorinated Biphenyls - Soil</b>									
PCB-1016	ND	89	93	4.4	93	97	4.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	92	93	1.1	101	105	3.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	120	111	113	1.8	107	110	2.8	30 - 150	30
% TCMX (Surrogate Rec)	105	104	106	1.9	111	113	1.8	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
June 18, 2014

Wednesday, June 18, 2014

Page 1 of 1

**Sample Criteria Exceedences Report**  
**GBG59052 - FOENVIRPCB**

Criteria: None  
State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----	----------	----------------

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG59052, BG59053, BG59054, BG59055, BG59056, BG59057, BG59058, BG59059, BG59060, BG59061

**Sampling Date(s):** 6/13/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☒ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☐ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

**I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.**

Authorized  
Signature:



Date: Wednesday, June 18, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

June 18, 2014

SDG I.D.: GBG59052

---

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated. No significant bias is suspected.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 06/16/14-1 (BG59057, BG59058, BG59059, BG59060, BG59061)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014

**Instrument:** Au-ecd3 06/16/14-1 (BG59052, BG59053, BG59054, BG59055, BG59056)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014

**Instrument:** Au-ecd48 06/16/14-1 (BG59058)

8082' Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**June 18, 2014**

**SDG I.D.: GBG59052**

---

### **QC (Site Specific)**

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### **Temperature Narration**

The samples were received at 15C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)





FUSS & O'NEILL ENVIRONMENTAL, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

- ☒ 146 Hartford Road, Manchester, CT 06040  
☐ 56 Quarry Road, Trumbull, CT 06611  
☐ 1419 Richland Street, Columbia, SC 29201  
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD 1394

1500N  
10

☒ 1 Day\* ☒ 3 Days\* ☐ 5 Days\* ☐ Standard (\_\_\_ days) ☐ Other (\_\_\_ days)  
\*Surcharge Applies

### PROJECT NAME

### PROJECT LOCATION

### PROJECT NUMBER

### LABORATORY

Discovery Academy 176 Comberland Ave Wethersfield, CT 20110979.AZE

Phoenix

REPORT TO:

Kathleen Paine

INVOICE TO:

Sarah Owens

P.O. No.:

20110979.AZE

Sampler's Signature:

*[Signature]*

Date: 6/13/14

Source Codes:

MW=Monitoring Well

SW=Surface Water

PW=Potable Water

T=Treatment Facility

S=Soil

B=Sediment

W=Waste

A=Air

X=Other

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled
	1	2	3	4				
1					061314-BG-1A	S	6/13/14	
2					-2A	S		
3					-3A	S		
4					-4A	S		
5					-5A	S		
6					-6A	S		
7					-7A	S		
8					-8A	S		
9					-9A	S		
10					-10A	S		

Analysis Request

Containers

Soil VOA Val. ( )	Soil VOA Val. ( )	Glass Soil Container ( )	Glass Soil Container ( )	Other	Water VOA Val. ( )	Glass Amber ( )	Plastic - As Is. ( )	Plastic - H <sub>2</sub> SO <sub>4</sub> ( )	Plastic - HNO <sub>3</sub> ( )	Plastic - NaOH ( )	Comments
1	1	1	1	1	1	1	1	1	1	1	59052
1	1	1	1	1	1	1	1	1	1	1	59053
1	1	1	1	1	1	1	1	1	1	1	59054
1	1	1	1	1	1	1	1	1	1	1	59055
1	1	1	1	1	1	1	1	1	1	1	59056
1	1	1	1	1	1	1	1	1	1	1	59057
1	1	1	1	1	1	1	1	1	1	1	59058
1	1	1	1	1	1	1	1	1	1	1	59059
1	1	1	1	1	1	1	1	1	1	1	59060
1	1	1	1	1	1	1	1	1	1	1	59061

Transfer Number

Relinquished By

Accepted By

Date

Reporting and Detection Limit Requirements:

1

2

3

4

*[Signature]*

*[Signature]*

6/13/14

Time

Additional Comments:

Main Building-South Side  
Transformer Vault 0-4"

XFER Vault  
4-B"



Wednesday, June 18, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG59062 - BG59071

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
06/13/14	0:00
06/13/14	12:23

### Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59062

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-1B

<u>Parameter</u>	<u>Result</u>	<u>RL/ PQL</u>	<u>Units</u>	<u>Date/Time</u>	<u>By</u>	<u>Reference</u>
Percent Solid	76		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.63	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	95	%	06/16/14	AW	30 - 150 %
% TCMX	102	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-1B

Phoenix I.D.: BG59062

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

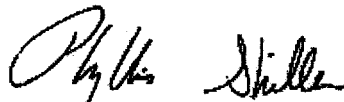
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

06/13/14      0:00  
06/13/14      12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59063

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-2B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	109		%	06/16/14	AW	30 - 150 %
% TCMX	102		%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-2B

Phoenix I.D.: BG59063

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

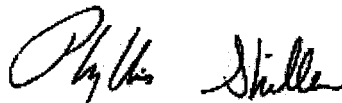
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date Time

06/13/14 0:00  
06/13/14 12:23

### Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59064

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-3B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	110		%	06/16/14	AW	30 - 150 %
% TCMX	105		%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-3B

Phoenix I.D.: BG59064

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

### Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59065

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-4B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.57	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	116	%	06/16/14	AW	30 - 150 %
% TCMX	109	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-4B

Phoenix I.D.: BG59065

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

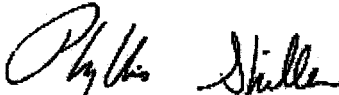
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59066

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-5B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	110	%	06/16/14	AW	30 - 150 %
% TCMX	95	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-5B

Phoenix I.D.: BG59066

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

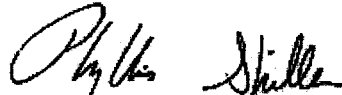
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

### Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59067

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-6B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	73		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.66	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	94	%	06/16/14	AW	30 - 150 %
% TCMX	90	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-6B

Phoenix I.D.: BG59067

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

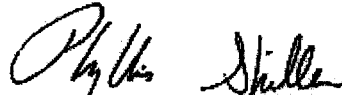
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59068

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-7B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	50		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.96	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	103	%	06/16/14	AW	30 - 150 %
% TCMX	95	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-7B

Phoenix I.D.: BG59068

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59069

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-8B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	68		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.73	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	96	%	06/16/14	AW	30 - 150 %
% TCMX	96	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-8B

Phoenix I.D.: BG59069

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

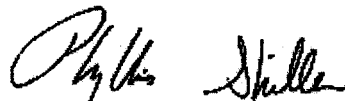
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date Time

06/13/14 0:00  
06/13/14 12:23

### Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59070

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-9B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	98		%	06/16/14	AW	30 - 150 %
% TCMX	94		%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-9B

Phoenix I.D.: BG59070

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------


RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59071

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-10B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	77		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	99	%	06/16/14	AW	30 - 150 %
% TCMX	98	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-10B

Phoenix I.D.: BG59071

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

June 18, 2014

### QA/QC Data

SDG I.D.: GBG59062

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277011, QC Sample No: BG59058 (BG59062, BG59063, BG59064, BG59065, BG59066, BG59067, BG59068, BG59069, BG59070, BG59071)									
<b>Polychlorinated Biphenyls - Soil</b>									
PCB-1016	ND	89	93	4.4	93	97	4.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	92	93	1.1	101	105	3.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	120	111	113	1.8	107	110	2.8	30 - 150	30
% TCMX (Surrogate Rec)	105	104	106	1.9	111	113	1.8	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

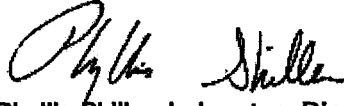
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
June 18, 2014

Wednesday, June 18, 2014

Criteria: None

State: CT

SampNo    Acode    Phoenix Analyte

Criteria

Result

RL

Criteria

RL    Analysis  
Criteria    Units

## Sample Criteria Exceedences Report

### GBG59062 - FOENVIRPCB

Page 1 of 1

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG59062, BG59063, BG59064, BG59065, BG59066, BG59067, BG59068, BG59069, BG59070, BG59071

**Sampling Date(s):** 6/13/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☒ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☐ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Wednesday, June 18, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

June 18, 2014

SDG I.D.: GBG59062

---

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated. No significant bias is suspected.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd24 06/16/14-1 (BG59067, BG59068, BG59069, BG59070, BG59071)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner

**Position:** Chemist

**Date:** 6/16/2014

**Instrument:** Au-ecd5 06/16/14-1 (BG59062, BG59063, BG59064, BG59065, BG59066)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner

**Position:** Chemist

**Date:** 6/16/2014

### QC (Batch Specific)

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples were received at 15C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**June 18, 2014**

**SDG I.D.: GBG59062**



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

- ☒ 146 Hartford Road, Manchester, CT 06040  
☐ 56 Quarry Road, Trumbull, CT 06611  
☐ 1419 Richland Street, Columbia, SC 29201  
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD

1395

☒ 1 Day  
☐ 2 Days  
☐ Standard (\_\_\_\_ days)  
☐ Other (\_\_\_\_ days)  
\*Surcharge Applies

### PROJECT NAME

### PROJECT LOCATION

### PROJECT NUMBER

### LABORATORY

Discovery Academy 176 Cumberland Ave Wethersfield, CT 20110979. AZE

Phonix

REPORT TO:

Kathleen Owens

INVOICE TO:

Surfuh Owens

P.O. NO.:

20110979. AZE

Sampler's Signature:

AZ

Date: 6/13/14

Source Codes:

MW=Monitoring Well  
SW=Surface Water

PW=Portable Water  
T=Treatment Facility

S=Soil  
B=Sediment

W=Waste  
A=Air

X=Other

Analysis Request

Containers

Item No.	Transfer Check	1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled
1						061314-B6-1B	S	6/13/14	
2						-2B	S		
3						-3B	S		
4						-4B	S		
5						-5B	S		
6						-6B	S		
7						-7B	S		
8						-8B	S		
9						-9B	S		
10						-10B	S		

Item No.	Transfer Check	1	2	3	4	Sample Number	Source Code	Date Sampled	Time Sampled
1						061314-B6-1B	S	6/13/14	
2						-2B	S		
3						-3B	S		
4						-4B	S		
5						-5B	S		
6						-6B	S		
7						-7B	S		
8						-8B	S		
9						-9B	S		
10						-10B	S		

Transfer Number	Relinquished By	Accepted By	Date	Time	Reporting and Detection Limit Requirements:
1	AZ	[Signature]	6/13/14	12:23	Main Building - South Side
2					Trans Former AWH 4-B"
3					
4					



6-13

Transformer  
Vault Soil  
(Under concrete Slab)  
0-4" Depth  
ETPH

Monday, June 30, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG59052, BG59055, BG59058, BG59061

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report**

June 30, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

**Sample Information**

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

**Custody Information**

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

**Date      Time**

06/13/14      0:00  
06/13/14      12:23

**Laboratory Data**

SDG ID: GBG59052  
Phoenix ID: BG59052

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-1A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	75		%	06/13/14	I	E160.3
Extraction of CT ETPH	Completed			06/25/14	JJ/F	3545
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

**TPH by GC (Extractable Products)**

Ext. Petroleum HC	ND	66	mg/Kg	06/26/14	JRB	CT ETPH/8015
Identification	ND		mg/Kg	06/26/14	JRB	CT ETPH/8015

**QA/QC Surrogates**

% n-Pentacosane	64		%	06/26/14	JRB	50 - 150 %
-----------------	----	--	---	----------	-----	------------

**PCB (Soxhlet)**

PCB-1016	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	06/16/14	AW	3540C/8082

**QA/QC Surrogates**

% DCBP	93		%	06/16/14	AW	30 - 150 %
% TCMX	101		%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

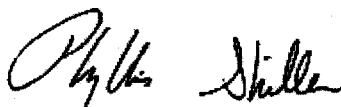
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 30, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 30, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59055

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-4A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	85		%	06/13/14	I	E160.3
Extraction of CT ETPH	Completed			06/25/14	JJ/F	3545
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	57	mg/Kg	06/26/14	JRB	CT ETPH/8015
Identification	ND		mg/Kg	06/26/14	JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	82		%	06/26/14	JRB	50 - 150 %
-----------------	----	--	---	----------	-----	------------

### PCB (Soxhlet)

PCB-1016	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.39	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.39	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	115		%	06/16/14	AW	30 - 150 %
% TCMX	108		%	06/16/14	AW	30 - 150 %



Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-4A

Phoenix I.D.: BG59055

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------


RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 30, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 30, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59058

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-7A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	56		%	06/13/14	I	E160.3
Extraction of CT ETPH	Completed			06/25/14	JJ/F	3545
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### TPH by GC (Extractable Products)

Ext. Petroleum HC	550	88	mg/Kg	06/26/14	JRB	CT ETPH/8015
Identification	**		mg/Kg	06/26/14	JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	93		%	06/26/14	JRB	50 - 150 %
-----------------	----	--	---	----------	-----	------------

### PCB (Soxhlet)

PCB-1016	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.72	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.72	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	94		%	06/16/14	AW	30 - 150 %
% TCMX	102		%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

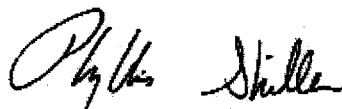
TPH Comment:

\*\*Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 30, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 30, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date Time

06/13/14 0:00  
06/13/14 12:23

## Laboratory Data

SDG ID: GBG59052  
Phoenix ID: BG59061

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-10A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	45		%	06/13/14	I	E160.3
Extraction of CT ETPH	Completed			06/25/14	JJ/F	3545
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	110	mg/Kg	06/26/14	JRB	CT ETPH/8015
Identification	ND		mg/Kg	06/26/14	JRB	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	71		%	06/26/14	JRB	50 - 150 %
-----------------	----	--	---	----------	-----	------------

### PCB (Soxhlet)

PCB-1016	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.53	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.53	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	85		%	06/16/14	AW	30 - 150 %
% TCMX	89		%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-10A

Phoenix I.D.: BG59061

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 30, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

June 30, 2014

### QA/QC Data

SDG I.D.: GBG59052

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277011, QC Sample No: BG59058 (BG59052, BG59053, BG59054, BG59055, BG59056, BG59057, BG59058, BG59059, BG59060, BG59061)									
<b>Polychlorinated Biphenyls - Soil</b>									
PCB-1016	ND	89	93	4.4	93	97	4.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	92	93	1.1	101	105	3.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	120	111	113	1.8	107	110	2.8	30 - 150	30
% TCMX (Surrogate Rec)	105	104	106	1.9	111	113	1.8	30 - 150	30
QA/QC Batch 278060, QC Sample No: BG64917 (BG59052, BG59055, BG59058, BG59061)									
<b>TPH by GC (Extractable Products) - Soil</b>									
Ext. Petroleum HC	ND	70	69	1.4	75	69	8.3	60 - 120	30
% n-Pentacosane	78	75	78	3.9	83	76	8.8	50 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
June 30, 2014

Monday, June 30, 2014

Criteria: None

State: CT

SampNo Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL Analysis  
Criteria Units

## Sample Criteria Exceedences Report

### GBG59052 - FOENVIRPCB

Page 1 of 1

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG59052, BG59053, BG59054, BG59055, BG59056, BG59057, BG59058, BG59059, BG59060, BG59061

**Sampling Date(s):** 6/13/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☒ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☒ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

**I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.**

Authorized  
Signature:

*Ethan Lee*

Date: Monday, June 30, 2014

Printed Name: Ethan Lee

Position: Project Manager





**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

June 30, 2014

SDG I.D.: GBG59052

---

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated.

### ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-fid1 06/26/14-1 (BG59058)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 6/26/2014

**Instrument:** Au-fid84 06/26/14-1 (BG59052, BG59058)

Initial Calibration (FID84 - ETPH\_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: none

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 6/26/2014

**Instrument:** Au-xl1 06/26/14-1 (BG59055, BG59061)

Initial Calibration (FIDXL1 ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** Jeff Bucko  
**Position:** Chemist  
**Date:** 6/26/2014



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

June 30, 2014

SDG I.D.: GBG59052

---

### QC (Batch Specific)

----- Sample No: BG64917, QA/QC Batch: 278060 -----

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd1 06/16/14-1 (BG59057, BG59058, BG59059, BG59060, BG59061)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014

**Instrument:** Au-ecd3 06/16/14-1 (BG59052, BG59053, BG59054, BG59055, BG59056)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014

**Instrument:** Au-ecd48 06/16/14-1 (BG59058)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**June 30, 2014**

**SDG I.D.: GBG59052**

---

### **QC (Site Specific)**

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### **Temperature Narration**

The samples were received at 15C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)



FUSS & O'NEILL ENVIRONMENTAL SCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FundO.com

- ☒ 146 Hartford Road, Manchester, CT 06040  
☐ 56 Quarry Road, Trumbull, CT 06611  
☐ 1419 Richland Street, Columbia, SC 29201  
☐ 78 Interstate Drive, West Springfield, MA 01089

- ☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD

1394

☒ 3 Days\* ☐ 5 Days\* ☐ Other (days) \_\_\_\_\_  
☐ Standard (days) \_\_\_\_\_  
\*Surcharge Applies

### PROJECT NAME

### PROJECT LOCATION

### PROJECT NUMBER

### LABORATORY

Discovery Academy 176 Comberland Ave Wethersfield, CT 20110979.AZE

Phoenix

REPORT TO:

Kathleen Paine

INVOICE TO:

Sarah Owens

P.O. NO.:

20110979.AZE

Sampler's Signature:

*[Signature]*

Date: 6/13/14

Source Codes:

MW=Monitoring Well  
SW=Surface Water

PW=Portable Water  
T=Treatment Facility

S=Soil  
B=Sediment

W=Waste  
A=Air

X=Other

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled
	1	2	3	4				
1					061314-BG-1A	S	6/13/14	
2					-2A	S		
3					-3A	S		
4					-4A	S		
5					-5A	S		
6					-6A	S		
7					-7A	S		
8					-8A	S		
9					-9A	S		
10					-10A	S		

Analysis Request

Containers

EPA 8082/50XLET									
Soil VOA Val. [ ] methanol									
Glass Soil Container ( ) water									
Glass Soil Container ( ) or [Na2SO4]									
Other:									
Water VOA Val. [ ] As is [ ] Hg									
Glass Amber ( ) ml [ ] As is [ ] Hg									
Plastic - As is ( ) ml [ ] As is [ ] Hg									
Plastic - H2SO4 ( ) ml [ ] As is [ ] Hg									
Plastic - HNO3 ( ) ml [ ] As is [ ] Hg									
Plastic - NaOH, 250 ml [ ] Filled [ ] Unfilled									
Comments									
59052									
59053									
59054									
59055									
59056									
59057									
59058									
59059									
59060									
59061									

Transfer Number

Relinquished By

Accepted By

Date

Reporting and Detection Limit Requirements:

1

2

3

4

*[Signature]*

*[Signature]*

6/13/14

12/22

Additional Comments:

Main Building-South Side  
Transformer Vault 0-4"

GBG 59052

**Shannon - Phoenixlabs**

**From:** Bobbi - Phoenixlabs [bobbi@phoenixlabs.com]  
**Sent:** Wednesday, June 25, 2014 05:24 PM  
**To:** 'Shannon - Phoenixlabs'  
**Subject:** FW: Additional analyses request

Can you help me?

**Bobbi Aloisa**  
**Vice President**  
**Director of Client Services**  
**Phoenix Environmental Laboratories**  
**587 East Middle Turnpike**  
**Manchester, CT 06040**  
**Ph: 860-645-8728**

---

**From:** Kathleen Pane [mailto:KPane@fando.com]  
**Sent:** Wednesday, June 25, 2014 5:13 PM  
**To:** Bobbi - Phoenixlabs (bobbi@phoenixlabs.com)  
**Subject:** Additional analyses request

Hi Bobbi! Hope all is well. Wanted to request additional analyses on samples that are already at your facility:

1. Bruce Gregoire just brought in sample 062514-BG-01. Please also analyze for ETPH, TCLP and Total RCRA 8 metals, VOCs (8270), Total Pesticides and Herbicides, Conductivity, Paint Filter, Ignitability, pH, reactivity
2. SDG ID: GBG60811/Phoenix ID: BG60811-Sample IDs: 061814-BG-1A, 2A, 3A and 4A, please analyze for PAHs (EPA 8270)
3. SDG ID: GBG59052/Phoenix ID: BG59054. Sample IDs: 061314BG-1A, 4A, 7A and 10A please analyze further for ETPH.

**Kathleen Pane**  
**Project Manager**

Fuss & O'Neill EnviroScience, LLC | 146 Hartford Road | Manchester, CT 06040  
 860.646.2469 x5585 | [kpane@fando.com](mailto:kpane@fando.com) | fax: 860.649.6883 | cell: 860.510.9290  
[www.fando.com](http://www.fando.com) | [twitter](#) | [facebook](#) | [linkedin](#)

☒ Fuss and O'Neill

This e-mail message and any files transmitted with it are the exclusive intellectual property of Fuss & O'Neill. This message and any attached files may be privileged and confidential. If you have received this message in error, please delete this e-mail and attached files and immediately notify Fuss & O'Neill by sending a reply e-mail to the sender of this message. Thank you.

6/25/2014

6-13



Main Building - South  
Transformer Vault  
- Soil under Slab  
@ 4" - 8" Depth

Wednesday, June 18, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG59062 - BG59071

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

### Time

06/13/14 0:00  
06/13/14 12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59062

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-1B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	76		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.63	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.63	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	95	%	06/16/14	AW	30 - 150 %
% TCMX	102	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-1B

Phoenix I.D.: BG59062

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

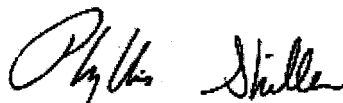
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

06/13/14      0:00  
06/13/14      12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59063

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-2B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.58	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.58	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	109	%	06/16/14	AW	30 - 150 %
% TCMX	102	%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------


RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

Date Time  
06/13/14 0:00  
06/13/14 12:23

### Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59064

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-3B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.41	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	110		%	06/16/14	AW	30 - 150 %
% TCMX	105		%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-3B

Phoenix I.D.: BG59064

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

### Time

06/13/14 0:00  
06/13/14 12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59065

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-4B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	87		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.57	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.57	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	116	%	06/16/14	AW	30 - 150 %
% TCMX	109	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-4B

Phoenix I.D.: BG59065

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

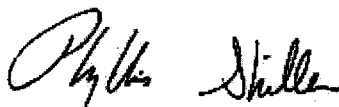
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

06/13/14      0:00  
06/13/14      12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59066

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-5B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.4	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.4	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	110	%	06/16/14	AW	30 - 150 %
% TCMX	95	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-5B

Phoenix I.D.: BG59066

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

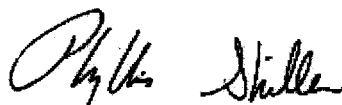
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

06/13/14      0:00  
06/13/14      12:23

### Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59067

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-6B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	73		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.66	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.66	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	94	%	06/16/14	AW	30 - 150 %
% TCMX	90	%	06/16/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59068

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-7B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	50		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.96	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.96	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	103	%	06/16/14	AW	30 - 150 %
% TCMX	95	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-7B

Phoenix I.D.: BG59068

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59069

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-8B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	68		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C

### PCB (Soxhlet)

PCB-1016	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.73	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.73	mg/kg	06/16/14	AW	3540C/8082

### QA/QC Surrogates

% DCBP	96	%	06/16/14	AW	30 - 150 %
% TCMX	96	%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-8B

Phoenix I.D.: BG59069

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

### Time

06/13/14 0:00  
06/13/14 12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59070

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-9B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.55	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	98		%	06/16/14	AW	30 - 150 %
% TCMX	94		%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-9B

Phoenix I.D.: BG59070

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

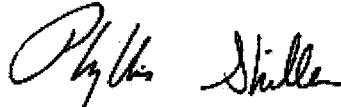
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

June 18, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIRPCB  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by: AZ  
Received by: LB  
Analyzed by: see "By" below

### Date

06/13/14  
06/13/14

### Time

0:00  
12:23

## Laboratory Data

SDG ID: GBG59062  
Phoenix ID: BG59071

Project ID: DISCOVERY ACADEMY  
Client ID: 061314-BG-10B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	77		%	06/13/14	I	E160.3
Extraction for PCB	Completed			06/13/14	PP/X	SW3540C
<b><u>PCB (Soxhlet)</u></b>						
PCB-1016	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1221	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1232	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1242	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1248	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1254	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1260	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1262	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
PCB-1268	ND	0.43	mg/kg	06/16/14	AW	3540C/8082
<b><u>QA/QC Surrogates</u></b>						
% DCBP	99		%	06/16/14	AW	30 - 150 %
% TCMX	98		%	06/16/14	AW	30 - 150 %

Project ID: DISCOVERY ACADEMY

Client ID: 061314-BG-10B

Phoenix I.D.: BG59071

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

June 18, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

June 18, 2014

### QA/QC Data

SDG I.D.: GBG59062

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 277011, QC Sample No: BG59058 (BG59062, BG59063, BG59064, BG59065, BG59066, BG59067, BG59068, BG59069, BG59070, BG59071)									
<b>Polychlorinated Biphenyls - Soil</b>									
PCB-1016	ND	89	93	4.4	93	97	4.2	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	92	93	1.1	101	105	3.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	120	111	113	1.8	107	110	2.8	30 - 150	30
% TCMX (Surrogate Rec)	105	104	106	1.9	111	113	1.8	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample


LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

  
Phyllis Shiller, Laboratory Director  
June 18, 2014

Wednesday, June 18, 2014

Criteria: None

State: CT

## Sample Criteria Exceedences Report

### GBG59062 - FOENVIRPCB

Page 1 of 1

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----	----------	----------------

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG59062, BG59063, BG59064, BG59065, BG59066, BG59067, BG59068, BG59069, BG59070, BG59071

**Sampling Date(s):** 6/13/2014

**RCP Methods Used:**

☐ 1311/1312   ☐ 6010   ☐ 7000   ☐ 7196   ☐ 7470/7471   ☐ 8081   ☐ EPH   ☐ TO15  
☒ 8082   ☐ 8151   ☐ 8260   ☐ 8270   ☐ ETPH   ☐ 9010/9012   ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b.	Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:



Date: Wednesday, June 18, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

June 18, 2014

SDG I.D.: GBG59062

---

The samples were received by the laboratory at a temperature of 15 degrees C with cooling initiated. No significant bias is suspected.

### PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd24 06/16/14-1 (BG59067, BG59068, BG59069, BG59070, BG59071)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014

**Instrument:** Au-ecd5 06/16/14-1 (BG59062, BG59063, BG59064, BG59065, BG59066)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Adam Werner  
**Position:** Chemist  
**Date:** 6/16/2014

### QC (Batch Specific)

----- Sample No: BG59058, QA/QC Batch: 277011 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples were received at 15C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**June 18, 2014**

**SDG I.D.: GBG59062**



☐ 50 Redfield Street, Suite 100, Boston, MA 02122  
☐ 275 Promenade Street, Suite 350, Providence, RI 02908  
☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

**Δ<sub>yg</sub>\***

LABORATORY

Proven

**Source Codes:**  
 MW=Monitoring Well  
 SW=Surface Water  
 PW=Potable Water  
 T=Treatment Facility  
 S=Soil  
 B=Sediment  
 W=Waste  
 A=Air

$$W=W_{\text{aste}}$$

PW=Potable Water

T=Treatment Facility  
B=Sediment

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Item No.	Transfer Check				Sample Number	Source Code	Date Sampled	Time Sampled
	1	2	3	4				
1					061314-B6-1B	S	6/13/74	
2					-2B	S	/	
3					-3B	S		
4					-4B	S		
5					-5B	S		
6					-6B	S		
7					-7B	S		
8					-8B	S		
9					-9B	S		
10					-10B	S		

No.	1	2	3	4	Code	sampled	sampled
1					061314-BB-1B	S	6/13/M
2					-2B	S	
3					-3B	S	
4					-4B	S	
5					-5B	S	
6					-6B	S	
7					-7B	S	
8					-8B	S	
9					-9B	S	
10					-10B	S	

### Reporting and Detection Limit Requirements

2

Main Building - South Side  
Trans former Vault 4-B"



7-9



Friday, July 11, 2014

Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

Project ID: DISCOVERY ACADEMY  
Sample ID#s: BG71178 - BG71185

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date Time

07/09/14 12:00  
07/09/14 14:25

### Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71178

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-2A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	60	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	74		%	07/10/14	KCA	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

07/09/14  
07/09/14

### Time

12:10  
14:25

## Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71179

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-3A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	58	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	83		%	07/10/14	KCA	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
07/09/14	12:15
07/09/14	14:25

### Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71180

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-5A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	57	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	80		%	07/10/14	KCA	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date Time

07/09/14 12:20  
07/09/14 14:25

## Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71181

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-6A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	79		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	62	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	76		%	07/10/14	KCA	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

07/09/14  
07/09/14

### Time

12:40  
14:25

## Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71182

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-7B

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	73		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	68	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	86		%	07/10/14	KCA	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

07/09/14 12:45  
07/09/14 14:25

### Time

## Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71183

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-7D

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	80		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	62	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	81		%	07/10/14	KCA	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.  
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

07/09/14 12:29  
07/09/14 14:25

### Time

## Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71184

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-8A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545
<b><u>TPH by GC (Extractable Products)</u></b>						
Ext. Petroleum HC	ND	55	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	ND		mg/Kg	07/10/14	KCA	CT ETPH/8015
<b><u>QA/QC Surrogates</u></b>						
% n-Pentacosane	83		%	07/10/14	KCA	50 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager





Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Analysis Report

July 11, 2014

FOR: Attn: Ms. Kathleen Pane  
Fuss & O'Neill EnviroScience, LLC  
145 Hartford Road  
Manchester, CT 06040

### Sample Information

Matrix: SOIL  
Location Code: F&OENVIR  
Rush Request: 24 Hour  
P.O.#: 20110979.A2E

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date

07/09/14  
07/09/14

### Time

12:35  
14:25

## Laboratory Data

SDG ID: GBG71178  
Phoenix ID: BG71185

Project ID: DISCOVERY ACADEMY  
Client ID: 070914-BG-9A

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	07/09/14	I	E160.3
Extraction of CT ETPH	Completed			07/09/14	BB/HF	3545

### TPH by GC (Extractable Products)

Ext. Petroleum HC	160	60	mg/Kg	07/10/14	KCA	CT ETPH/8015
Identification	**		mg/Kg	07/10/14	KCA	CT ETPH/8015

### QA/QC Surrogates

% n-Pentacosane	107		%	07/10/14	KCA	50 - 150 %
-----------------	-----	--	---	----------	-----	------------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

#### TPH Comment:

\*\*Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C16 to C36 range. The sample was quantitated against a C9-C36 standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

July 11, 2014

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## QA/QC Report

July 11, 2014


### QA/QC Data

SDG I.D.: GBG71178

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 279260, QC Sample No: BG71012 (BG71178, BG71179, BG71180, BG71181, BG71182, BG71183, BG71184, BG71185)									
<b>TPH by GC (Extractable Products) - Soil</b>									
Ext. Petroleum HC	ND	81	80	1.2				60 - 120	30
% n-Pentacosane	73	77	86	11.0				50 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria  
Intf - Interference

  
Phyllis Shiller, Laboratory Director  
July 11, 2014

Friday, July 11, 2014

Criteria: None

State: CT

SampNo    Acode

Phoenix Analyte

Criteria

Result

RL

Criteria

RL    Analysis  
Criteria    Units

# Sample Criteria Exceedences Report

## GBG71178 - FOENVIR

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

# Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

**Laboratory Name:** Phoenix Environmental Labs, Inc. **Client:** Fuss & O'Neill EnviroScience, LLC

**Project Location:** DISCOVERY ACADEMY **Project Number:**

**Laboratory Sample ID(s):** BG71178, BG71179, BG71180, BG71181, BG71182, BG71183, BG71184, BG71185

**Sampling Date(s):** 7/9/2014

**RCP Methods Used:**

☐ 1311/1312    ☐ 6010    ☐ 7000    ☐ 7196    ☐ 7470/7471    ☐ 8081    ☐ EPH    ☐ TO15  
☐ 8082    ☐ 8151    ☐ 8260    ☐ 8270    ☒ ETPH    ☐ 9010/9012    ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

**Note:** For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized  
Signature:

*Ethan Lee*

Date: Friday, July 11, 2014

Printed Name: Ethan Lee

Position: Project Manager



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## RCP Certification Report

July 11, 2014

SDG I.D.: GBG71178

---

### ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-xt1 07/09/14-1 (BG71182, BG71184, BG71185)

Initial Calibration (FIDXL1 ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** Keith Aloisa  
**Position:** Chemist  
**Date:** 7/9/2014

**Instrument:** Au-xt2 07/09/14-1 (BG71178, BG71179, BG71180, BG71181, BG71183)

Initial Calibration (FID1 - ETPH\_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

**Printed Name** Keith Aloisa  
**Position:** Chemist  
**Date:** 7/9/2014

### QC (Batch Specific)

----- Sample No: BG71012, QA/QC Batch: 279260 -----

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

### Temperature Narration

The samples were received at 4C with cooling initiated.  
(Note acceptance criteria is above freezing up to 6°C)



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **RCP Certification Report**

**July 11, 2014**

**SDG I.D.: GBG71178**



FUSS & O'NEILL ENVIROSCIENCE, LLC

Disciplines to Deliver

(860) 646-2469 • www.FandO.com

☒ 146 Hartford Road, Manchester, CT 06040

☐ 56 Quarry Road, Trumbull, CT 06611

☐ 1419 Richland Street, Columbia, SC 29201

☐ 78 Interstate Drive, West Springfield, MA 01089

☐ 50 Redfield Street, Suite 100, Boston, MA 02122

☐ 275 Promenade Street, Suite 350, Providence, RI 02908

☐ 80 Washington Street, Suite 301, Poughkeepsie, NY 12601

## CHAIN-OF-CUSTODY RECORD 1367

PROJECT NAME

PROJECT LOCATION

PROJECT NUMBER

LABORATORY

Discovery Academy 176 Cumberland Ave Wethersfield, CT 20110979.AZE

Phoenix

REPORT TO:

Kathleen Paris

INVOICE TO:

Sarah Owens

P.O. No.:

20110979.AZE

Sampler's Signature:

Date: 7-9-14

Source Codes:

MW=Monitoring Well

SW=Surface Water

PW=Potable Water

T=Treatment Facility

S=Soil

B=Sediment

W=Waste

A=Air

X=Other

Transfer Check

1 2 3 4

Item No.

1 2 3 4

Sample Number

Source Code

Date Sampled

Time Sampled

1

2

3

4

5

6

7

8

070914-B6-2A

-3A

-5A

-6A

-7B

-7D

-8A

-9A

7-9-14

1200

1210

1215

1220

1240

1245

1229

1235

✓

✓

✓

✓

✓

✓

✓

✓

✓

Comments

Plastic - NaOH, 250 ml

Plastic - HNO<sub>3</sub>, 250 ml

Plastic - H<sub>2</sub>SO<sub>4</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml

Plastic - As<sub>2</sub>S<sub>3</sub>, 250 ml